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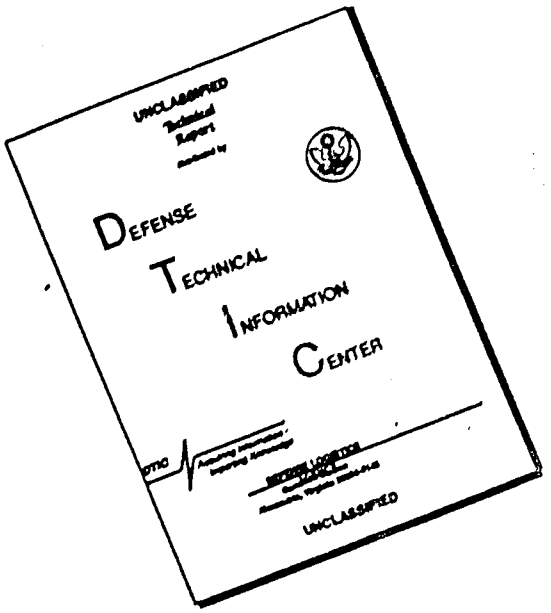

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Wave Spectra Estimated from Wave Records Obtained by the OWS WEATHER EXPLORER and the OWS WEATHER REPORTER (I)

By

L. Moskowitz

W. J. Pierson, Jr.

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Technical Report Prepared for
U. S. Navy Oceanographic Office
under contract
N62306-1042

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Introduction

As a part of the problem of developing numerical wave forecasting procedures for the North Atlantic Ocean, selected sequences of the weather maps for the North Atlantic for which wave data were known to be available were studied in detail for the five year period beginning in April 1955 and ending in March 1960. Certain dates and times of observations were selected for a variety of reasons for study. For these dates and times, the National Institute of Oceanography provided copies of the wave records that were obtained by the OWS Weather Explorer and by the OWS Weather Reporter.

In total, about 800 wave records were provided, and a complete spectral analysis is planned for about 400 of these records.

This report is the first of a series of reports to present in tabular and graphical form the results of these analyses. The total number of spectra given is 114.

Analysis procedures

The original wave records varied in length, but almost all of this first set were 15 minutes long. The crest to trough heights of the highest waves in a particular record (uncorrected for calibration effects) varied from a few feet to more than 60 feet in the complete set of records. Bounds were set on each record just above the highest wave crest and just below the lowest wave trough, and the records were read to an accuracy of one part in a thousand (nominally) over this range at an interval of 1.5 seconds throughout the record. Thus a 15 minute record was reduced to a time series

of 600 points. Where gaps or irregularities occurred, the records were smoothed by hand as accurately as possible.

The time series of 600 points was then analyzed on the CDC 1604 so as to estimate the energy spectrum of the waves at 60 points over the frequency range from zero to 0.333 cycles per second by means of the procedures given by Tukey (1949) as explained in detail by Blackman and Tukey (1958). The smoothing operation that was used to go from L to U in the equations of Blackman and Tukey was

$$U_h = 0.25L_{h-1} + 0.50L_h + 0.25L_{h+1} \tag{1}$$

with suitable corrections at the ends of the range.

The spectral estimates so obtained still had to be corrected for the response of the shipborne wave recorder (Tucker, 1956) and for the introduction of noise in both the original record and in the digitization procedure. The calibration of the shipborne recorder depends on the ship, and the calibration curves were provided by Mr. D. E. Cartwright for this purpose. The calibration curve for the Weather Explorer is given by Table 1. The calibration curve for the Weather Reporter is given by Table 2.

As in another investigation (Bretschneider, Crutcher, et al (in press)), it was found that the application of the above calibration curves to the spectra that were originally computed resulted first in a decrease and then a rapid increase in the spectra at high frequencies due to the presence of noise and other irregularities (possibly from nonlinear effects in the original wave records) at the high frequency end of the spectrum. To eliminate this effect,

the last part of the spectrum was smoothed by a three point running weighted mean (0.25, 0.50, and 0.25) and then the last ten values were averaged.* This average was treated as white noise and subtracted from all spectral estimates. When the reduced values were multiplied by the appropriate calibration curves, the usual result was a fairly smooth spectrum that decreased regularly toward zero values at high frequency. By such a procedure some of the spectral values at high frequency will be negative. These values were automatically set equal to zero in the rest of the computations.

Inadvertently, Table 1 was applied where Table 2 ought to have been applied to some of the spectra. The result was exceptionally high values at high frequencies. Thus the calibrations given in these two tables do distinguish between the characteristics of the two ships as, when done correctly, reasonable results were obtained.

Even with these corrections, there were a few spectra that still became exceptionally large for frequencies greater than about 0.25 cycles per second. This behavior was apparently caused by the original quality of the record and not by the digitization procedure. These spectra were further modified by arbitrarily setting the calibration curve equal to one above a certain frequency that was selected by inspection of each spectrum.

The result of such a sequence of computations should yield fairly reliable spectral estimates for frequencies ranging from zero to 0.25 cycles per second, but the values at high frequencies should not be used to decide on any features of the high frequency end.

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*See p. 6 for details.

Sample parameter estimates

The spectral estimates that resulted from this sequence of operations were then processed further to obtain some additional useful information. Let U_h^*, for h = 0, 1, 2, $\cdots$, 60, represent the spectral estimates (after subtraction of the noise and multiplication by the calibration for the shipborne recorder) in terms of the resolution of the variance of the wave record into frequency intervals. The following quantities were then also computed and tabulated with each spectrum.

(2) CORR VAR = corrected variance = ΣU_h^*

(3) SIG HGT = $\overline{H}_{\frac{1}{3}} = 2.83 (2 \Sigma U_h^*)^{1/2}$

(4) AVER T = $\widetilde{T} = [\Sigma U_h^* / \Sigma f_h^2 U_h^*]^{1/2}$

(5) TOTAL DF = Total degrees of freedom = $10 [\Sigma U_h^*]^2 / [\Sigma U_h^2]$

(for 600 points, 60 lags; i.e., 20 degrees of freedom per spectral estimate)

The confidence intervals on the corrected variance and on the significant height are given by

(6)

$$\text{Upper 95\% on CORR VAR} = (10^{+1/\sqrt{T\overline{DF}}}) \text{ CORR VAR}$$

$$\text{Lower 5\% on CORR VAR} = (10^{-1/\sqrt{T\overline{DF}}}) \text{ CORR VAR}$$

and by

$$\text{Upper 95\% on } \overline{H}_{\frac{1}{3}} = 10^{+1/2\sqrt{TDF}}\, \overline{H}_{\frac{1}{3}}$$

(7)

$$\text{Lower 5\% on } \overline{H}_{\frac{1}{3}} = 10^{-1/2\sqrt{TDF}}\, \overline{H}_{\frac{1}{3}}$$

in terms of the total degrees of freedom (TDF) to a high degree of accuracy since the total degrees of freedom are large.

The corrected variance, the significant height, and the total degrees of freedom are relatively insensitive to changes in the noise level and in the high frequency behavior of the spectrum. However, the average period can properly be viewed with caution.

The winds near the ship at the time of observation are also given to the nearest five knots as read directly from weather maps. These values are subject to later correction in terms of the logs of the weather ships.

Explanation of tables and graphs

The body of this report consists of supplementary tables, of tables that give the appropriate results for each of the original wave records, and of graphs of each of the estimated spectra along with the confidence intervals on the spectra.

The supplementary tables consist of Tables 1 through 4. Tables 1 and 2 have been described above.

Table 3 gives either the on station position of the ship, A, I, J, or K, or the latitude and longitude of the ship if it is going on or off station. The speed and direction of the ship is given.

Position A corresponds to 62°N, 33°W.

Position I corresponds to 59°N, 19°W.

Position J corresponds to 52.5°N, 20°W.

Position K corresponds to 45°N, 16°W.

If the record was not 15 minutes long, less than 600 points were read. For these records, Table 4 gives the actual number of points used and the corrected total degrees of freedom. A correction to the upper and lower confidence limits, which would be quite small, would also be needed to be exact.

Spectral tabulations

A tabulated spectrum can be interpreted as follows:

1a) Supplementary data for each spectrum consist of the date, hour, wind speed, total degrees of freedom, average period, significant height, corrected variance, noise level, and record number. Some tables give the confidence limits for the height according to equation (7).

1b) In the first column, the spectral lag numbers (H) are given.

2) In the second column (FRE) the frequency according to the equation $f = H/180$ (sec^{-1}) is given.

3) In the third column (UNIT = FT^2), the spectrum as computed from the original data is given in units of $(ft)^2$.

4) In the fourth column (FILTERED) a smoothing operator for $H > 40$ is applied. It is actually

$$F_H = 0.25U_{H-1} + 0.50U_H + 0.25F_{H+1}$$

(where F = Filtered, and U = Unit)

5) In the fifth column (LESS NOISE), the noise level shown at the top is subtracted from each estimate.

6) In the sixth column (CORR FT 2), the LESS NOISE column is multiplied by the calibration curve for the shipborne record according to either Table 1 or Table 2. If this column agrees with the previous column, at high frequencies, the calibration curve has been arbitrarily set equal to one to avoid extreme values at high frequency.

7) In the last two columns, the upper and lower 95% and 5% confidence bounds are shown.

The graphs of the spectra

The graph that accompanies the spectral tabulation shows the spectrum and the 95% and 5% confidence bounds. The scale is chosen so that the highest 95% confidence value is at the top of the graph and the vertical axis of the coordinate system shows the spectral values for that spectrum in units of $(\text{feet})^2$. The scales change with each spectrum and comparisons between spectra by means of the graphs should be made cautiously.

Acknowledgments

We wish to thank the National Institute of Oceanography of the United Kingdom for providing us with the wave records. Dr. J. Darbyshire sent some of the records to us from South Africa. Mr. D. E. Cartwright and Mr. L. Draper were most helpful in assembling other records at N. I. O. having them copied and forwarding the records to us. The records were digitized at Johns Hopkins University and at Davidson Laboratory of Stevens Institute of Technology.

References

Blackman, R. B., and J. W. Tukey (1958): The measurement of power spectra from the point of view of communications engineering, Parts I and II. Bell System Tech. Journ., Jan. 1958, March 1958.

Bretschneider, C. L., H. L. Crutcher, J. Darbyshire, G. Neumann, W. J. Pierson, H. Walden, and B. W. Wilson: Data for high wave conditions observed by the OWS Weather Reporter in December 1959. (To be published in D. H. Z.)

Tucker, M. J. (1956): A ship-borne wave recorder. Trans. Inst. Naval Arch., London, 98, 236.

Tukey, J. W.: The sampling theory of power spectrum estimates. Symposium on Applications of Autocorrelation Analysis to Physical Problems. Woods Hole, Massachusetts, 13-14 June, 1949. pp. 47-67, 1950.

Table 1. Calibration factors for the Weather Explorer.

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.6157
1.3740	1.2452	1.1746	1.1399	1.1291	1.1343
1.1547	1.1870	1.2304	1.2845	1.3504	1.4277
1.5193	1.6241	1.7444	1.8828	2.0415	2.2243
2.4349	2.6765	2.9523	3.2725	3.6414	4.0714
4.5654	5.1490	5.8190	6.6136	7.5383	8.6336
9.9169	11.4459	13.2691	15.4245	18.0095	21.1086
24.8366	29.3522	34.8079	41.4485	49.5464	59.4548
71.5502	86.5947	105.1503	128.1186	156.7723	192.5202
237.3987	293.8682	365.1736	455.5306	570.2699	716.8705

Table 2. Calibration factors for the Weather Reporter.

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.5755
1.3277	1.1908	1.1099	1.0630	1.0375	1.0257
1.0260	1.0350	1.0514	1.0633	1.1034	1.1384
1.1805	1.2260	1.2817	1.3424	1.4105	1.4871
1.5731	1.6684	1.7736	1.8918	2.0229	2.1704
2.3321	2.5169	2.7181	2.9479	3.2018	3.4899
3.8088	4.1715	4.5826	5.0408	5.5616	6.1512
6.8201	7.5845	8.4517	9.4439	10.5785	11.8784
13.3689	15.0856	17.0596	19.3530	22.0055	25.0761
28.6529	32.8206	37.6868	43.3807	50.0432	57.8872

Table 3. Position and speed of ship for each record

Record No.		Position	Heading	Speed (kts)
DL	1	I		stopped
	2	I		stopped
	3	I		stopped
	4	I		stopped
	5	I		stopped
	6	I		stopped
	7	I		stopped
	8	I		stopped
	9	I	345°	1
	10	I	360°	2
	11	I	360°	1
	12	I		stopped
	13	I		stopped
	14	I		stopped
	15	J	280°	1
	16	J	280°	1
	17	J		stopped
	18	J	290°	1
	19	J	290°	1/2
	20	J		stopped
	21	J		stopped
	22	J	280°	1
	23	J	280°	1
	24	J		hove to
	25	J		stopped
	26	J	260°	1/2
	27	J	280°	0
	28	J	280°	1/2
	29	J		stopped
	30	J		stopped

Table 3. (cont.)

Record No.	Position	Heading	Speed (kts)
DL 31	I		stopped
32	I		stopped
33	I	190°	1
34	I	190°	2
35	I	250°	1
36	I	230°	1
37	I	230°	1
38	I	240°	1/2
39	I	240°	1/2
40	I	240°	1
41	I	250°	1
42	I		stopped
43	A	070°	2
44	A		stopped
45	A		stopped
46	I	250°	1
47	I	250°	1 1/2
48	I	250°	2
49	I	250°	2
50	I	250°	1
51	I	260°	1
52	I	265°	1 1/2
53	I	260°	2
54	I	265°	1
55	I	280°	2
56	I		stopped
57	I	305°	1 1/2
58	I		stopped
59	I		stopped
60	I		stopped

Table 3. (cont.)

Record No.		Position	Heading	Speed (kts)
JH	1	A	040°	1
	2	A	090°	2
	3	A	050°	2
	4	A	040°	1
	5	A	040°	1
	6	A		stopped
	7	A		stopped
	8	K		stopped
	9	K		stopped
	10	K		stopped
	11	K	290°	1
	12	K	280°	1/2
	13	K	275°	1/2
	14	K	275°	1
	15	K	275°	$1\frac{1}{2}$
	16	K	270°	1
	17	K	275°	1
	18	K	275°	1
	19	K		stopped
	20	A	085°	2
	21	A	140°	2
	22	A	160°	$1\frac{1}{2}$
	23	A	240°	1
	24	A	200°	2
	25	A	200°	2
	26	A	220°	2
	27	A	250°	1
	28	A	240°	2
	29	A	235°	$1\frac{1}{2}$
	30	A	240°	2

Table 3. (cont.)

Record No.	Position	Heading	Speed (kts)
JH 31	A	230°	1½
32	A	190°	2
33	A	190°	2
34	A	180°	2
35	A		stopped
36	A	230°	1½
37	A	240°	2
38	A	230°	1½
39	A	230°	2
40	A	220°	1
41	J	080°	1
42	J	090°	1
43	J	070°	1
44	52°42'N, 19°W	065°	3
45	53°N , 18°W	060°	7
46	52°54'N, 16°54'W	060°	7
47	53°01'N, 16°36'W	050°	4
48	53°06'N, 16°20'W	350°	4
49	53°08'N, 16°15'W	050°	5
50	53°18'N, 16°16'W	340°	1
51	53°18'N, 16°16'W		hove to
52	53°17'N, 15°56'W	120°	11
53	52°48'N, 14°26'W	120°	10
54	52°30'N, 13°35'W	120°	11½

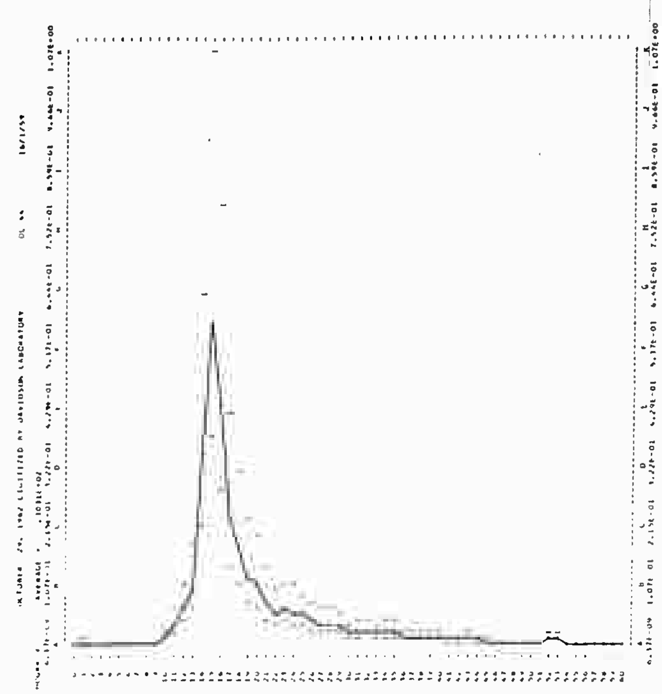
Table 4. Data on short records for which less than 600 points were available.

Record No.	no. of points	Original TDF	Corrected TDF
DL 50	592	144	142
JH 4	561	150	140
JH 16	591	134	132
JH 17	592	101	100
JH 18	590	128	126
JH 19	581	133	129
JH 24	586	151	147
JH 36	585	204	199

SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/1/59 HOUR = 9 TOTAL OF =105
AV. T = 6.4 SIG.HGT. = 6.8 CORR. VAR. = 2.9 NOISE LEVEL = .0015
RECORD = DL 44 UPPER HGT. = 7.6 LOWER HGT. = 6.1 WIND SPEED = 15

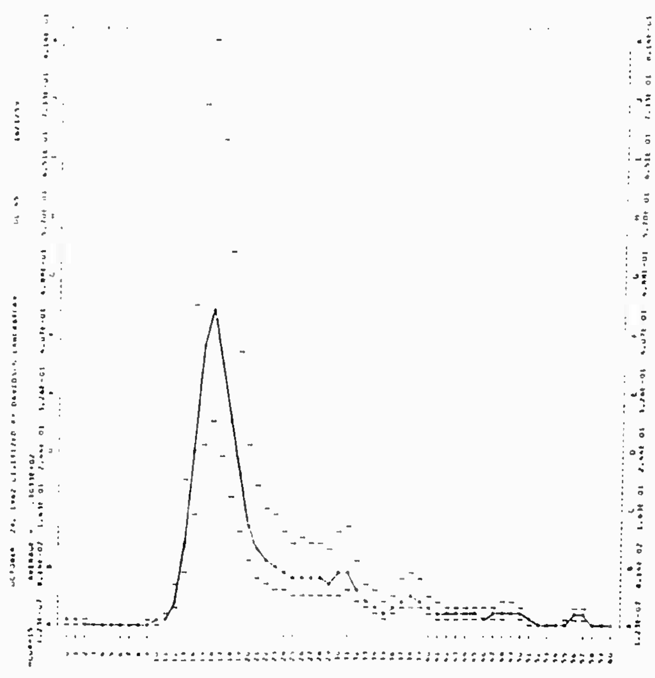
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0044	.0044	.0029	.0029	.0053	.0018
1	.006	.0055	.0055	.0040	.0040	.0074	.0025
2	.011	.0064	.0064	.0049	.0049	.0090	.0031
3	.017	.0039	.0039	.0024	.0024	.0044	.0015
4	.022	.0015	.0015	.0000	.0008	.0001	.0000
5	.028	.0012	.0012	.0000	.0000	.0000	.0000
6	.033	.0008	.0008	.0000	.0000	.0000	.0000
7	.039	.0011	.0011	.0000	.0000	.0000	.0000
8	.044	.0019	.0019	.0004	.0005	.0010	.0003
9	.050	.0029	.0029	.0014	.0015	.0028	.0010
10	.056	.0105	.0105	.0090	.0096	.0177	.0061
11	.061	.0339	.0339	.0324	.0336	.0619	.0214
12	.067	.0596	.0596	.0581	.0596	.1098	.0379
13	.072	.1001	.1001	.0986	.1011	.1864	.0644
14	.078	.3313	.3313	.3298	.3413	.6291	.2173
15	.083	.5555	.5555	.5540	.5825	1.0737	.3709
16	.089	.4075	.4075	.4060	.4317	.7957	.2749
17	.094	.2074	.2074	.2060	.2272	.4189	.1447
18	.100	.1487	.1487	.1472	.1675	.3088	.1067
19	.106	.1035	.1035	.1020	.1204	.2220	.0767
20	.111	.0869	.0869	.0854	.1049	.1934	.0668
21	.117	.0606	.0606	.0591	.0757	.1396	.0482
22	.122	.0389	.0389	.0375	.0503	.0927	.0320
23	.128	.0444	.0444	.0429	.0605	.1116	.0385
24	.133	.0409	.0409	.0394	.0586	.1080	.0373
25	.139	.0323	.0323	.0309	.0485	.0895	.0309
26	.144	.0267	.0267	.0252	.0421	.0776	.0268
27	.150	.0210	.0210	.0195	.0344	.0638	.0220
28	.156	.0210	.0210	.0195	.0369	.0681	.0235
29	.161	.0171	.0171	.0156	.0316	.0582	.0201
30	.167	.0095	.0095	.0080	.0174	.0321	.0111
31	.172	.0112	.0112	.0097	.0226	.0417	.0144
32	.178	.0116	.0116	.0101	.0254	.0468	.0162
33	.183	.0085	.0085	.0070	.0190	.0351	.0121
34	.189	.0098	.0098	.0083	.0245	.0452	.0156
35	.194	.0093	.0093	.0078	.0249	.0460	.0159
36	.200	.0055	.0055	.0040	.0141	.0259	.0090
37	.206	.0038	.0038	.0023	.0089	.0163	.0056
38	.211	.0041	.0041	.0026	.0109	.0202	.0070
39	.217	.0043	.0043	.0028	.0130	.0237	.0083
40	.222	.0035	.0035	.0020	.0101	.0186	.0064
41	.228	.0026	.0028	.0013	.0071	.0130	.0045
42	.233	.0026	.0027	.0012	.0076	.0140	.0048
43	.239	.0033	.0030	.0015	.0100	.0185	.0064
44	.244	.0024	.0025	.0010	.0074	.0143	.0050
45	.250	.0017	.0019	.0004	.0031	.0061	.0021
46	.256	.0016	.0016	.0001	.0014	.0026	.0009
47	.261	.0016	.0016	.0001	.0008	.0015	.0005
48	.267	.0015	.0015	.0000	.0000	.0000	.0000
49	.272	.0014	.0015	.0000	.0000	.0000	.0000
50	.278	.0014	.0015	.0000	.0000	.0000	.0000
51	.283	.0016	.0017	.0002	.0028	.0051	.0018
52	.289	.0022	.0020	.0005	.0037	.0180	.0062
53	.294	.0021	.0019	.0004	.0096	.0176	.0061
54	.300	.0011	.0013	.0000	.0000	.0000	.0000
55	.306	.0008	.0010	.0000	.0000	.0000	.0000
56	.311	.0013	.0012	.0000	.0000	.0000	.0000
57	.317	.0017	.0015	.0000	.0015	.0028	.0010
58	.322	.0015	.0015	.0000	.0002	.0004	.0001
59	.328	.0013	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0013	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/1/59 HOUR = 15 TOTAL OF =161
AV. T = 7.7 SIG.HGT. = 7.5 CORR. VAR. = 1.5 NOISE LEVEL = .0017
RECORD = DL 45 UPPER HGT. = 8.2 LOWER HGT. = 6.9 WIND SPEED = 25

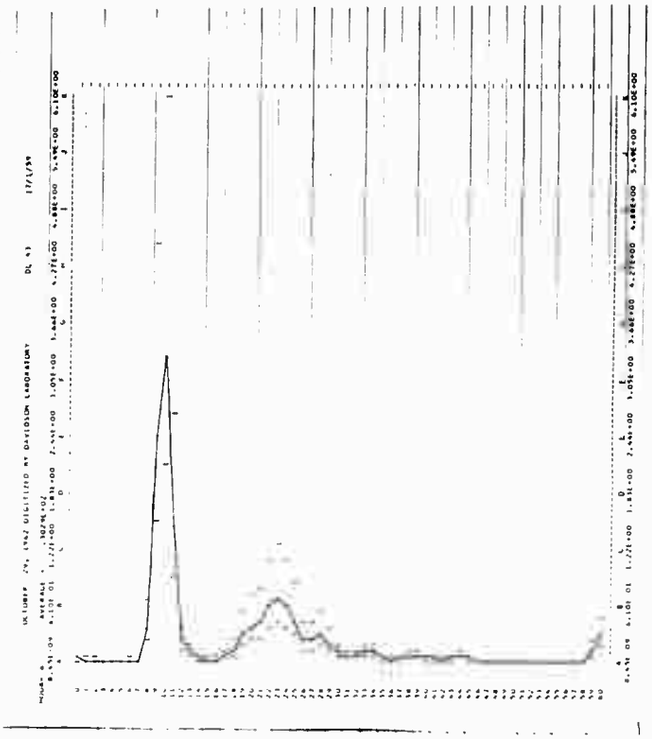
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0064	.0064	.0052	.0052	.0096	.0033
1	.006	.0062	.0062	.0046	.0046	.0084	.0029
2	.011	.0048	.0048	.0032	.0032	.0058	.0020
3	.017	.0035	.0035	.0018	.0018	.0033	.0011
4	.022	.0025	.0025	.0008	.0008	.0015	.0005
5	.028	.0024	.0024	.0008	.0008	.0014	.0005
6	.033	.0026	.0026	.0009	.0014	.0026	.0009
7	.039	.0026	.0026	.0009	.0013	.0023	.0008
8	.044	.0024	.0024	.0007	.0008	.0015	.0005
9	.050	.0044	.0044	.0027	.0030	.0056	.0019
10	.056	.0076	.0076	.0059	.0063	.0116	.0040
11	.061	.0093	.0093	.0077	.0074	.0167	.0051
12	.067	.0337	.0337	.0320	.0329	.0606	.0209
13	.072	.1106	.1106	.1090	.1118	.2061	.0712
14	.078	.2356	.2356	.2338	.2420	.4460	.1541
15	.083	.3739	.3739	.3721	.3914	.7214	.2492
16	.089	.4170	.4170	.4153	.4416	.8142	.2812
17	.094	.3347	.3347	.3330	.3675	.6775	.2340
18	.100	.2518	.2518	.2501	.2847	.5248	.1813
19	.106	.1781	.1781	.1765	.2081	.3843	.1327
20	.111	.1142	.1142	.1126	.1383	.2548	.0880
21	.117	.0857	.0857	.0841	.1078	.1986	.0686
22	.122	.0659	.0659	.0643	.0861	.1590	.0549
23	.128	.0600	.0600	.0583	.0821	.1517	.0524
24	.133	.0501	.0501	.0484	.0720	.1328	.0459
25	.139	.0421	.0421	.0404	.0636	.1172	.0405
26	.144	.0408	.0408	.0391	.0651	.1204	.0416
27	.150	.0371	.0371	.0354	.0624	.1150	.0400
28	.156	.0350	.0350	.0333	.0630	.1161	.0401
29	.161	.0305	.0305	.0288	.0581	.1075	.0371
30	.167	.0337	.0337	.0320	.0695	.1281	.0443
31	.172	.0338	.0338	.0321	.0749	.1380	.0477
32	.178	.0205	.0205	.0188	.0476	.0875	.0302
33	.183	.0134	.0134	.0118	.0320	.0590	.0204
34	.189	.0111	.0111	.0094	.0278	.0513	.0177
35	.194	.0078	.0078	.0057	.0182	.0335	.0116
36	.200	.0082	.0082	.0065	.0228	.0420	.0145
37	.206	.0108	.0108	.0091	.0348	.0642	.0222
38	.211	.0115	.0115	.0098	.0409	.0751	.0260
39	.217	.0091	.0048	.0075	.0342	.0630	.0218
40	.222	.0061	.0061	.0044	.0221	.0408	.0141
41	.228	.0047	.0046	.0029	.0162	.0299	.0103
42	.233	.0038	.0039	.0022	.0137	.0252	.0087
43	.239	.0038	.0038	.0021	.0145	.0267	.0092
44	.244	.0035	.0036	.0019	.0144	.0266	.0092
45	.250	.0036	.0035	.0018	.0138	.0254	.0088
46	.256	.0027	.0029	.0012	.0115	.0212	.0073
47	.261	.0027	.0029	.0012	.0124	.0228	.0079
48	.267	.0035	.0032	.0016	.0185	.0341	.0118
49	.272	.0032	.0031	.0015	.0196	.0361	.0125
50	.278	.0027	.0027	.0010	.0150	.0276	.0095
51	.283	.0020	.0020	.0004	.0061	.0113	.0039
52	.289	.0017	.0016	.0000	.0000	.0000	.0000
53	.294	.0013	.0013	.0000	.0000	.0000	.0000
54	.300	.0016	.0016	.0000	.0000	.0000	.0000
55	.306	.0017	.0018	.0001	.0035	.0064	.0022
56	.311	.0023	.0021	.0004	.0139	.0257	.0089
57	.317	.0021	.0020	.0004	.0139	.0256	.0088
58	.322	.0016	.0016	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0015	.0014	.0000	.0000	.0000	.0000

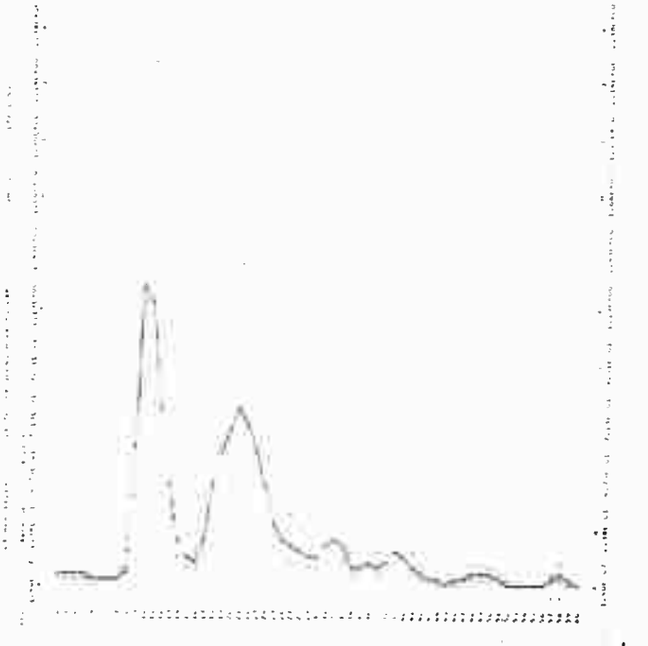


SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 11/1/59 AV. T= 8.7 RECORD = DL 43
HOUR = 0 SIG.HGT. = 13.0 UPPER HGT. = 16.9
TOTAL OF = 91 CORR. VAR. = 14.0 LOWER HGT. = 13.3
NOISE LEVEL = .002% MIMO SPEED = 30

N	FRE.	UNFILTERED	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0453	.0453	.0378	.0378	.0699	.0241
1	.006	.0368	.0294	.0294	.0294	.0542	.0187
2	.011	.0252	.0252	.0179	.0179	.0329	.0114
3	.017	.0124	.0124	.0050	.0050	.0092	.0032
4	.022	.0195	.0195	.0122	.0122	.0225	.0078
5	.028	.0131	.0131	.0058	.0058	.0107	.0037
6	.033	.0253	.0253	.0135	.0243	.0221	.0140
7	.039	-.0172	-.0172	.0000	.0000	.0000	.0000
8	.044	.2213	.2213	.2141	.2750	.4995	.1282
9	.050	2.2090	2.2090	2.2016	2.4436	4.5039	1.5559
10	.056	2.1231	2.1231	2.1158	2.2121	4.1045	1.4089
11	.061	1.4016	1.4016	1.3942	1.4465	2.6661	.9211
12	.067	.2169	.2169	.2095	.2249	.3981	.1398
13	.072	.1188	.1188	.1114	.1243	.2107	.0728
14	.078	.0466	.0466	.0391	.0500	.0744	.0239
15	.083	.0340	.0340	.0266	.0280	.0515	.0178
16	.089	.0265	.0265	.0191	.0203	.0372	.0210
17	.094	.0545	.0545	.0471	.0520	.0958	.0331
18	.100	.1235	.1235	.1161	.1322	.2437	.0842
19	.106	.2467	.2467	.2393	.2825	.5201	.1799
20	.111	.3230	.3230	.3156	.3900	.7189	.2483
21	.117	.3389	.3389	.3316	.4250	.7835	.2706
22	.122	.4419	.4419	.4345	.5633	1.0371	.3714
23	.128	.4890	.4890	.4816	.6745	1.2421	.4324
24	.133	.5157	.5157	.5084	.6673	1.1693	.3867
25	.139	.2964	.2964	.2890	.4547	.8380	.2895
26	.144	.1467	.1467	.1394	.2325	.4283	.1480
27	.150	.1396	.1396	.1321	.2142	.4317	.1491
28	.156	.1635	.1635	.1561	.2453	.5443	.1880
29	.161	.1040	.1040	.0966	.1955	.3603	.1245
30	.167	.0590	.0590	.0516	.1120	.2065	.0713
31	.172	.0402	.0402	.0328	.0766	.1412	.0488
32	.178	.0361	.0361	.0288	.0674	.1242	.0429
33	.183	.0444	.0444	.0370	.1007	.1856	.0641
34	.189	.0402	.0402	.0325	.0968	.1781	.0616
35	.194	.0211	.0211	.0137	.0439	.0804	.0279
36	.200	.0166	.0166	.0072	.0252	.0464	.0160
37	.206	.0196	.0196	.0122	.0466	.0859	.0297
38	.211	.0214	.0214	.0141	.0586	.1080	.0373
39	.217	.0191	.0191	.0117	.0536	.0988	.0341
40	.222	.0167	.0167	.0093	.0470	.0866	.0299
41	.228	.0128	.0135	.0067	.0343	.0631	.0218
42	.233	.0107	.0119	.0045	.0278	.0511	.0177
43	.239	.0142	.0134	.0060	.0410	.0756	.0261
44	.244	.0184	.0145	.0071	.0540	.0995	.0344
45	.250	.0109	.0115	.0042	.0353	.0650	.0225
46	.256	.0081	.0062	.0009	.0080	.0148	.0051
47	.261	.0083	.0077	.0031	.0032	.0058	.0020
48	.267	.0072	.0072	.0000	.0000	.0000	.0000
49	.272	.0064	.0064	.0000	.0000	.0000	.0000
50	.278	.0049	.0049	.0000	.0000	.0000	.0000
51	.283	.0060	.0060	.0000	.0000	.0000	.0000
52	.289	.0048	.0054	.0000	.0000	.0000	.0000
53	.294	.0049	.0049	.0000	.0000	.0000	.0000
54	.300	.0088	.0078	.0024	.0102	.0187	.0064
55	.306	.0063	.0071	.0000	.0000	.0000	.0000
56	.311	.0057	.0060	.0000	.0000	.0000	.0000
57	.317	.0053	.0058	.0000	.0000	.0000	.0000
58	.322	.0060	.0048	.0000	.0000	.0000	.0000
59	.328	.0105	.0098	.0024	.1204	.2220	.0767
60	.333	.0138	.0121	.0048	.2767	.5099	.1762

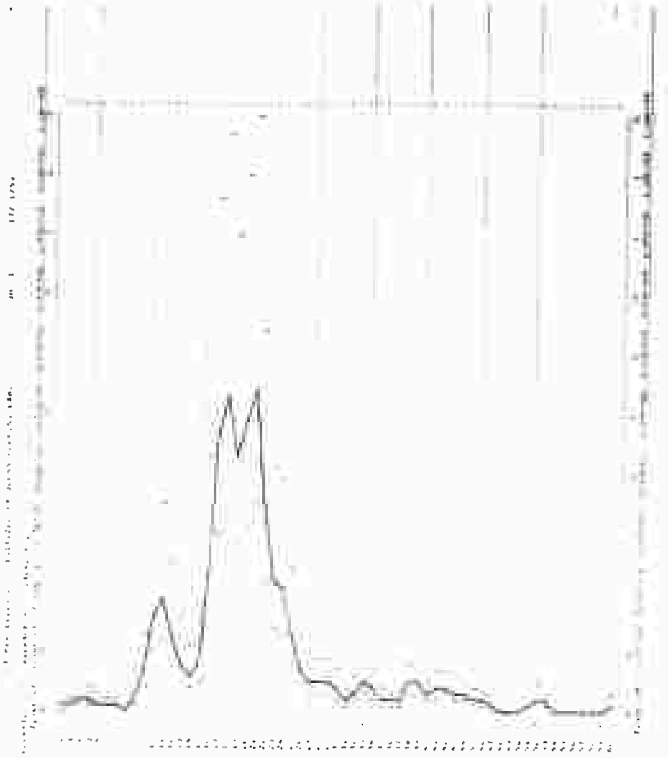




SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59 AV. T= 8.0 RECORD = JM 1
HOUR = 12 SIG.HGT. = 17.4
TOTAL DF = 123 CORR. VAR. = 19.0
NOISE LEVEL = .0152 WIND SPEED = 35

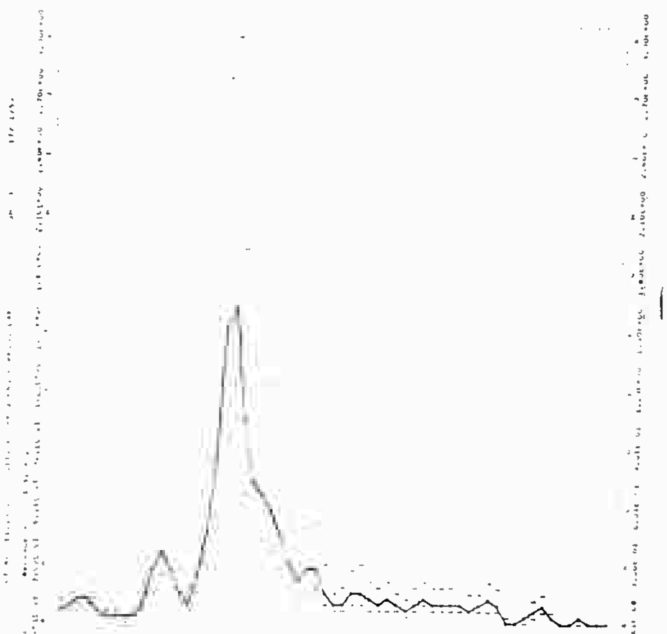
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0424	.0424	.0272	.0272	.0500	.0173
1	.006	.0563	.0563	.0411	.0411	.0757	.0262
2	.011	.0836	.0836	.0684	.0684	.1261	.0435
3	.017	.0830	.0830	.0678	.0678	.1249	.0432
4	.022	.0616	.0616	.0463	.0463	.0854	.0295
5	.028	.0544	.0544	.0373	.0393	.0725	.0251
6	.033	.0365	.0365	.0233	.0366	.0675	.0233
7	.039	.0265	.0265	.0112	.0149	.0275	.0095
8	.044	.0654	.0654	.0502	.0598	.1102	.0381
9	.050	.2360	.2360	.2227	.2472	.4557	.1576
10	.056	.5616	.5636	.5483	.5829	1.0743	.3711
11	.061	.6665	.6665	.6513	.6757	1.2455	.4301
12	.067	.4811	.4811	.4657	.4774	.8808	.3043
13	.072	.3062	.3062	.2910	.3006	.5540	.1915
14	.078	.2167	.2167	.2015	.2164	.3882	.1341
15	.083	.2934	.2734	.2781	.2924	.5390	.1862
16	.089	.7886	.7886	.7734	.8223	1.5157	.5236
17	.094	1.5211	1.5211	1.5059	1.6616	3.0626	1.0580
18	.100	1.6616	1.6616	1.6463	1.8765	3.4586	1.1948
19	.106	1.3242	1.3242	1.3089	1.3452	2.0801	.8937
20	.111	1.4290	1.4290	1.4137	1.7161	3.1498	1.1054
21	.117	1.5204	1.5204	1.5051	1.9271	3.5557	1.2284
22	.122	.9618	.9618	.9466	1.2918	[illegible]	.7920
23	.128	.5761	.5761	.5608	.7411	1.3580	.5637
24	.133	.5141	.5141	.5061	.7496	1.3816	.4773
25	.139	.3065	.3065	.2913	.4014	.6906	.2918
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59 RECORD = JM 3
HOUR = 15
TOTAL DF = 123
NOISE LEVEL = WIND SPEED = 35

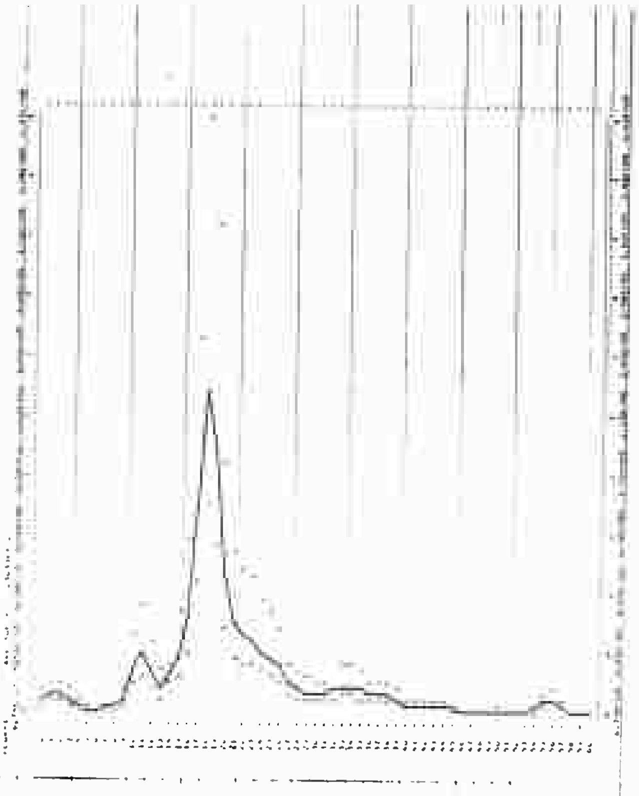
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59   AV. T = 4.0   RECORD = JH 4
MEAN = 18   SIG.HGT. = 15.7
TOTAL DF = 150   CORR. VAR. = 15.4
NOISE LEVEL = .0093   WIND SPEED = 35

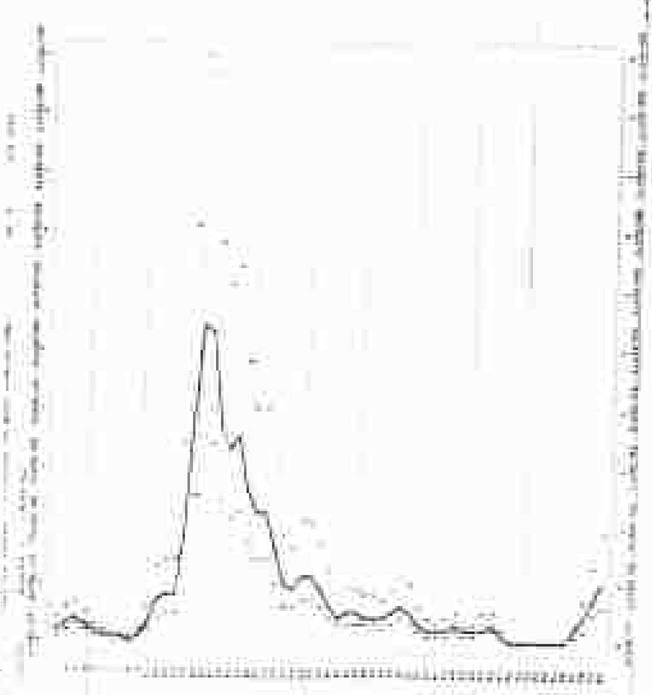
N	FREQ.	UNFILT.F.Z	FILTERED	LESS NOISE	CORR.F1.Z	UPPER	LOWER
0	.000	.0950	.0950	.0857	.0857	.1580	.0546
1	.006	.1276	.1276	.1163	.1163	.2180	.0753
2	.011	.1366	.1366	.1271	.1271	.2343	.0810
3	.017	.1014	.1014	.0922	.0922	.1699	.0587
4	.022	.0684	.0684	.0591	.0591	.1089	.0376
5	.028	.0312	.0312	.0219	.0219	.0403	.0139
6	.033	.0166	.0166	.0073	.0113	.0208	.0072
7	.039	.0265	.0265	.0172	.0255	.0470	.0163
8	.044	.0336	.0336	.0243	.0284	.0534	.0184
9	.050	.1016	.1016	.0923	.1025	.1889	.0653
10	.056	.3075	.3075	.2982	.3176	.5853	.2018
11	.061	.4200	.4200	.4111	.4267	.7865	.2717
12	.067	.2973	.2973	.2880	.2956	.5465	.1881
13	.072	.1608	.1608	.1515	.1556	.2864	.0990
14	.078	.2053	.2053	.1960	.2025	.3760	.1292
15	.083	.4015	.4015	.3922	.4123	.7600	.2626
16	.089	.6560	.6560	.6474	.6765	1.2476	.4346
17	.094	1.1945	1.1945	1.1861	1.5067	2.7660	.9555
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	4.4050	1.5216
19	.106	1.0670	1.0670	[illegible]	[illegible]	1.6068	1.2660
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
61	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
63	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59   AV. T = [illegible]   RECORD = JH 5
MEAN = [illegible]   SIG.HGT. = [illegible]
TOTAL DF = [illegible]   CORR. VAR. = [illegible]
NOISE LEVEL = [illegible]   WIND SPEED = 30

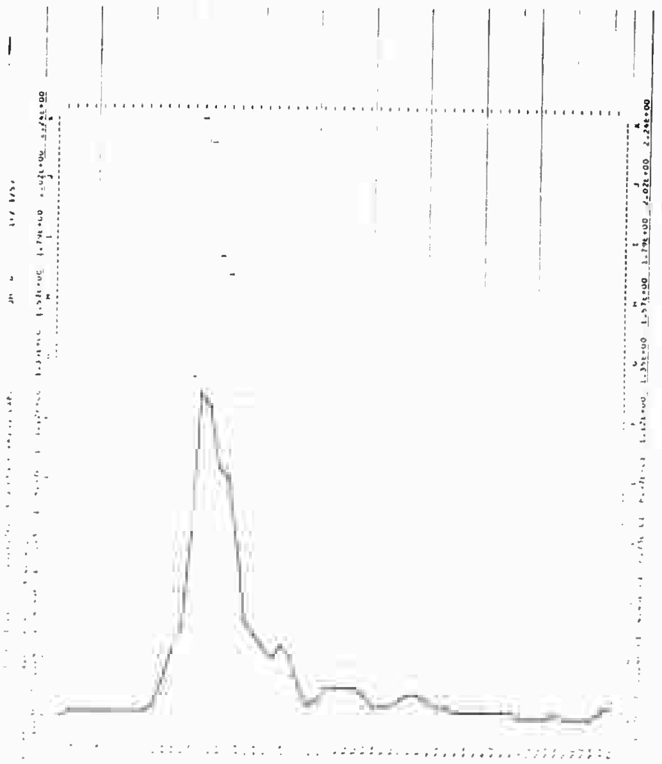
N	FREQ.	UNFILT.F.Z	FILTERED	LESS NOISE	CORR.F1.Z	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



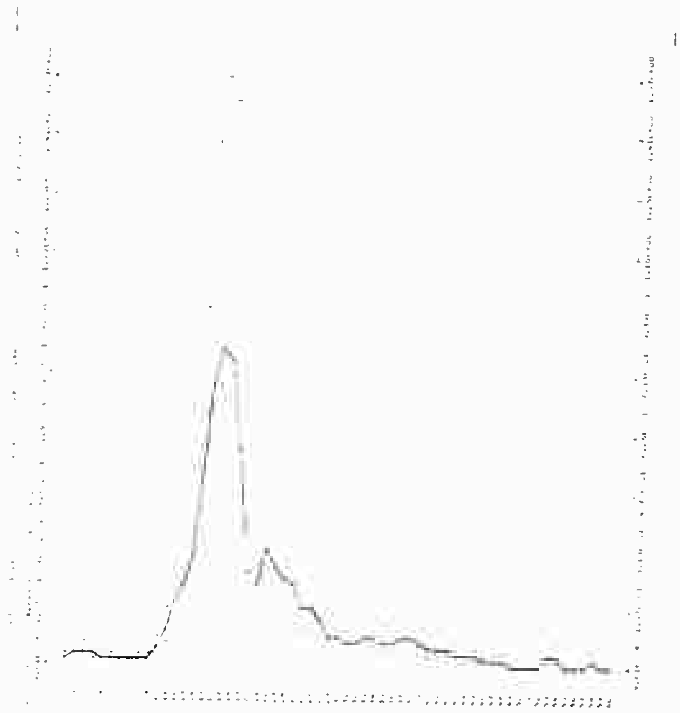
SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/ 1/59   AV. T= 8.3   RECORD = JM 8
HOUR = 0   SIG.HGT. = 12.5
TOTAL CF =151   CORR. VAR. = 2.7
NOISE LEVEL = .0045   WIND SPEED = 25

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0129	.0129	.0084	.0084	.0155	.0054
1	.006	.0190	.0190	.0151	.0151	.0218	.0096
2	.011	.0318	.0318	.0273	.0273	.0503	.0174
3	.017	.0339	.0339	.0294	.0294	.0542	.0187
4	.022	.0256	.0256	.0212	.0212	.0390	.0135
5	.028	.0185	.0185	.0140	.0140	.0258	.0089
6	.033	.0158	.0158	.0113	.0178	.0327	.0111
7	.039	.0181	.0181	.0136	.0180	.0333	.0115
8	.044	.0238	.0238	.0193	.0230	.0424	.0146
9	.050	.0190	.0190	.0145	.0161	.0297	.0103
10	.056	.0377	.0377	.0332	.0353	.0650	.0225
11	.061	.1387	.1387	.1342	[illegible]	.2561	.0887
12	.067	.2495	.2495	.2450	.2511	.4632	.1600
13	.072	.3228	.3228	.3183	.3266	.6019	.2079
14	.078	.6759	.6759	.6714	.6943	1.2807	.4426
15	.083	1.1820	1.1820	1.1575	1.2176	2.2432	.7759
16	.089	1.1629	1.1629	1.1584	[illegible]	2.1527	.7437
17	.094	.8545	.8545	.8500	[illegible]	1.7286	.5971
18	.100	.7473	[illegible]	[illegible]	[illegible]	1.4885	.5147
19	.106	.5591	.5593	.5548	.6556	[illegible]	.4176
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED AT JOHNS HOPKINS LAB.

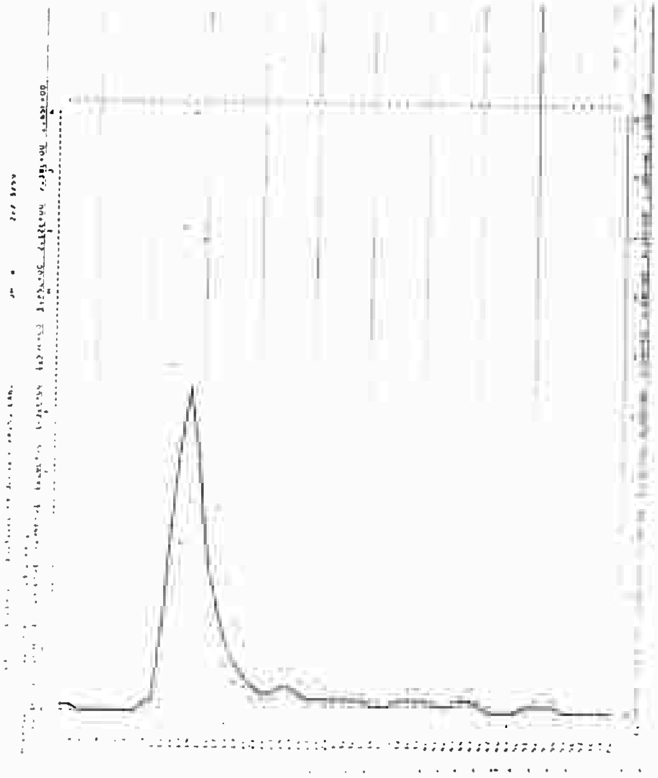
DATE = 287 3/59   RECORD = JH

HOUR = 12   SIG.HGT. = 11.4

TOTAL DF = 109   CORR. VAR. = 9.4

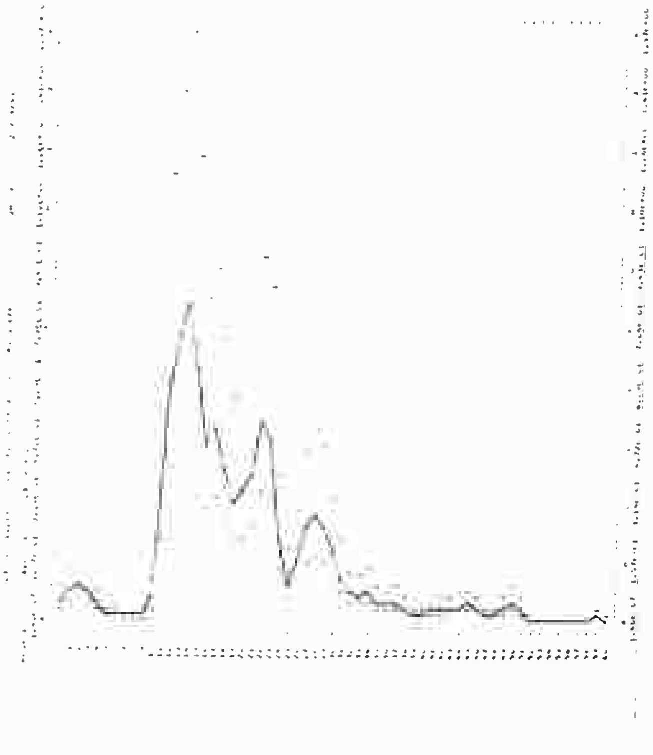
NOISE LEVEL = .0027   WIND SPEED = 20

N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0167	.0167	.0160	.0160	.0295	.0162
1	.006	.0160	.0160	.0151	.0133	.0246	.0065
2	.011	.0097	.0097	.0072	.0072	.0132	.0046
3	.017	.0091	.0091	.0066	.0064	.0117	.0041
4	.022	.0099	.0099	.0072	.0072	.0133	.0046
5	.028	.0098	.0098	.0071	.0071	.0132	.0046
6	.033	.0061	.0061	.0036	.0056	.0099	.0036
7	.039	.0061	.0061	.0036	.0048	.0084	.0031
8	.044	.0060	.0060	.0033	.0039	.0072	.0025
9	.050	.0147	.0147	.0170	.0109	.0368	.0120
10	.056	.0626	.0626	.0591	.0616	.1171	.0405
11	.061	.3765	.3765	.3678	.3416	.7036	.2430
12	.067	.8087	.8089	.8062	.8776	1.5742	.5266
13	.072	1.1388	1.1388	1.1361	1.1856	2.1586	.7642
14	.078	1.3917	1.3967	1.3940	1.4366	2.6672	.9158
15	.083	1.0788	1.0788	1.0757	1.1380	2.0447	.7262
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED AT JOHNS HOPKINS LAB.

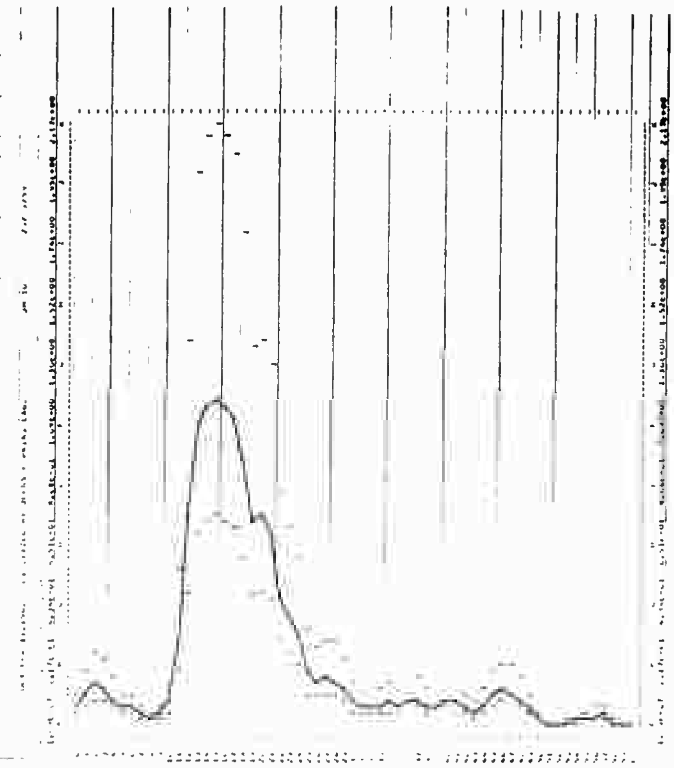
N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/59 AV. T= 8.1 RECORD = AM 10
HOUR = 0 SIG.HGT. = 15.2
TOTAL DF =190 CORR. VAR. = 14.9
NOISE LEVEL = .0060 WIND SPEED = 35

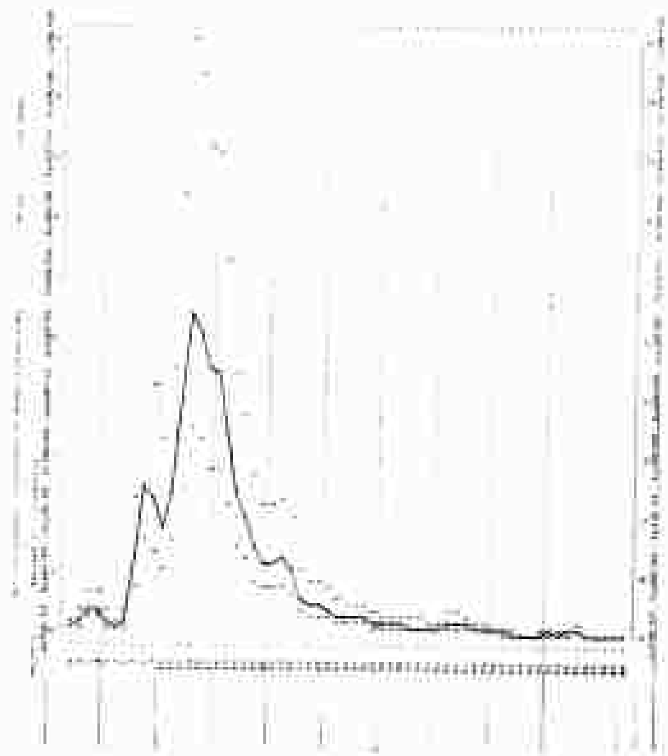
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0451	.0451	.0591	.0591	.1089	.0376
1	.006	.1107	.1107	.1047	.1047	.1910	.0667
2	.011	.1517	.1517	.1457	.1457	.2606	.0928
3	.017	.1307	.1307	.1247	.1247	.2299	.0794
4	.022	.0992	.0992	.0932	.0932	.1719	.0594
5	.028	.0702	.0702	.0642	.0642	.1184	.0409
6	.033	.0465	.0465	.0405	.0438	.1173	.0406
7	.039	.0346	.0346	.0287	.0386	.0701	.0242
8	.044	.0291	.0291	.0232	.0276	.0508	.0176
9	.050	.0367	.0367	.0307	.0341	.0628	.0217
10	.056	.0822	.0822	.0763	.0811	.1496	.0516
11	.061	.3052	.3052	.2442	.3105	.5722	.1977
12	.067	.7433	.7433	.7373	.7563	1.3939	.4815
13	.072	1.0566	1.0566	1.0504	1.0712	1.9872	.6865
14	.078	1.1221	1.1221	1.1161	1.1552	2.1292	.7356
15	.083	1.1262	1.1262	1.1202	1.1778	2.1709	.7500
16	.089	1.0901	1.0901	1.0841	1.1526	2.1247	.7340
17	.094	1.0183	1.0183	1.0123	1.1170	2.0588	.7112
18	.100	.8494	.8494	.8434	.9603	1.7700	.6115
19	.106	.6382	.6382	.6322	.8463	1.2795	.5792
20	.111	.6209	.6209	.6149	.7551	1.3918	.4808
21	.117	.5543	.5543	.5484	.7018	1.2939	.4479
22	.122	.3515	.3515	.3455	.4638	.8549	.2953
23	.128	.2853	.2853	.2793	.3940	.7262	.2509
24	.133	.2261	.2281	.2221	.3302	.6087	.2103
25	.139	.1244	.1244	.1184	.1883	.3436	.1186
26	.144	.0984	.0984	.0925	.1542	.2863	.0982
27	.150	.1018	.1018	.0959	.1700	.3134	.1083
28	.156	.0907	.0907	.0847	.1602	.2954	.1020
29	.161	.0888	.0888	.0828	.1271	.2343	.0809
30	.167	.0420	.0420	.0360	.0782	.1441	.0498
31	.172	.0306	.0306	.0246	.0536	.1050	.0365
32	.178	.0288	.0288	.0224	.0536	.1037	.0365
33	.183	.0319	.0319	.0259	.0703	.1296	.0448
34	.189	.0333	.0333	.0273	.0805	.1485	.0513
35	.194	.0279	.0279	.0220	.0703	.1296	.0448
36	.200	.0303	.0303	.0243	.0848	.1564	.0540
37	.206	.0304	.0304	.0244	.0736	.1316	.0507
38	.211	.0222	.0222	.0162	.0676	.1246	.0431
39	.217	.0211	.0211	.0151	.0691	.1273	.0440
40	.222	.0233	.0233	.0173	.0871	.1606	.0555
41	.228	.0204	.0199	.0139	.0772	.1423	.0492
42	.233	.0160	.0153	.0094	.0575	.1060	.0366
43	.239	.0119	.0130	.0070	.0478	.0881	.0304
44	.244	.0153	.0151	.0091	.0692	.1275	.0440
45	.250	.0196	.0186	.0126	.1049	.1932	.0667
46	.256	.0196	.0190	.0130	.1232	.2271	.0785
47	.261	.0177	.0173	.0113	.1162	.2142	.0740
48	.267	.0161	.0160	.0060	.0952	.1754	.0606
49	.272	.0096	.0102	.0042	.0560	.1032	.0356
50	.278	.0077	.0075	.0015	.0224	.0412	.0142
51	.283	.0053	.0059	.0000	.0000	.0000	.0000
52	.289	.0056	.0057	.0000	.0000	.0000	.0000
53	.294	.0065	.0061	.0001	.0076	.0137	.0047
54	.300	.0066	.0066	.0006	.0160	.0295	.0102
55	.306	.0069	.0066	.0006	.0239	.0441	.0152
56	.311	[illegible]	.0069	.0009	.0290	.0535	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	.0066	.0068	.0000	.0000	.0000	.0000
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/59 AV. T= [illegible] RECORD = AM 11
HOUR = 6 SIG.HGT. = [illegible]
TOTAL DF =190 CORR. VAR. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = 35

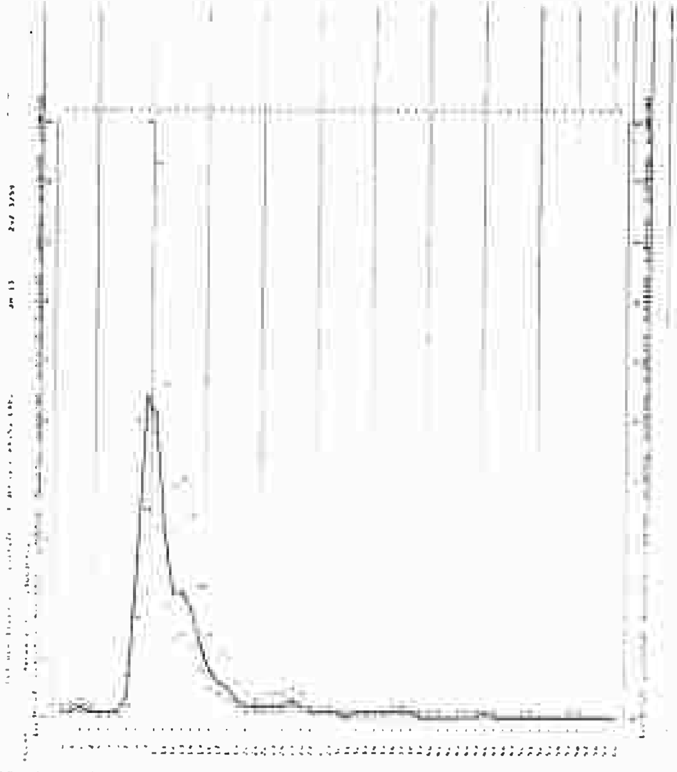
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	.0571	.0476	.0476	[illegible]	[illegible]
1	.006	.1134	.1134	.1046	.1046	.1926	.0662
2	.011	[illegible]	[illegible]	.2031	.2031	.3744	[illegible]
3	.017	.2046	.2046	.1944	.1944	.3585	.1237
4	.022	.1065	.1065	.0991	.0991	.1826	.0631
5	.028	.0575	.0575	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	.0773	.0773	.0678	.1064	.1962	.0686
7	.039	.6038	.6038	.5966	.6296	1.1605	.4016
8	.044	1.0663	1.0663	1.0588	1.1648	2.1718	[illegible]
9	.050	1.0786	1.0786	1.0141	1.1711	[illegible]	[illegible]
10	.056	.8576	.8576	.8479	.9016	1.6613	.5719
11	.061	1.1057	1.1057	1.1762	1.2253	[illegible]	[illegible]
12	.067	1.4575	1.4575	1.4481	1.4401	[illegible]	1.2761
13	.072	2.6512	2.6512	2.6416	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	2.0724	2.0724	2.0635	[illegible]	[illegible]	[illegible]
17	.094	1.5596	1.5596	1.5502	[illegible]	[illegible]	[illegible]
18	.100	1.0578	1.0578	1.0483	[illegible]	[illegible]	.7549
19	.106	.8633	.8633	[illegible]	1.0006	[illegible]	[illegible]
20	.111	.6010	.6010	.5915	.7266	1.3300	[illegible]
21	.117	.4800	.4800	.4705	.6031	1.1115	.3846
22	.122	.4576	.4576	.4481	[illegible]	1.1091	[illegible]
23	.128	.4338	.4338	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	.3566	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	.5110	[illegible]
26	.144	[illegible]	[illegible]	.1302	[illegible]	.4790	[illegible]
27	.150	.1460	.1460	.1365	[illegible]	[illegible]	[illegible]
28	.156	.1218	.1218	.1124	[illegible]	[illegible]	[illegible]
29	.161	.0928	.0928	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	.0662	.0662	.0568	[illegible]	[illegible]	[illegible]
31	.172	.0717	.0717	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.0479	.0479	.0385	[illegible]	[illegible]	[illegible]
34	.189	.0376	.0376	.0282	[illegible]	.1510	[illegible]
35	.194	.0354	.0359	[illegible]	[illegible]	.1561	[illegible]
36	.200	.0343	.0343	.0248	[illegible]	[illegible]	.0551
37	.206	.0285	.0285	[illegible]	[illegible]	.1130	[illegible]
38	.211	.0266	.0266	[illegible]	[illegible]	.1165	[illegible]
39	.217	.0197	.0197	.0102	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	.0106	[illegible]	[illegible]	.0160
41	.228	.0235	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	.0245	.0263	.0188	[illegible]	[illegible]	.0737
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	.0164	.0164	.0070	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0140	[illegible]	.0042	[illegible]	[illegible]	[illegible]
47	.261	.0127	[illegible]	.0031	[illegible]	[illegible]	[illegible]
48	.267	.0101	.0107	.0012	[illegible]	.0262	[illegible]
49	.272	[illegible]	[illegible]	.0002	[illegible]	[illegible]	[illegible]
50	.278	.0096	.0040	.0001	[illegible]	[illegible]	[illegible]
51	.283	.0104	.0106	.0011	[illegible]	[illegible]	[illegible]
52	.289	.0110	.0110	.0016	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	.0010	[illegible]	[illegible]	[illegible]
54	.300	.0100	.0107	.0012	[illegible]	[illegible]	[illegible]
55	.306	.0124	.0113	.0018	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0066
57	.317	.0076	.0079	.0000	.0000	.0000	.0000
58	.322	.0078	.0076	.0000	.0000	.0000	.0000
59	.328	.0075	.0075	.0000	.0000	.0000	.0000
60	.333	.0085	.0080	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 2/7 3/54 AV. T= 12.4 RECORD = JM 13
HOUR = 4 SIG.HGT. = 33.1
TOTAL OF HIGO CUMU. VAR. = 68.5
NOISE LEVEL = .0119 WIND SPEED = 30

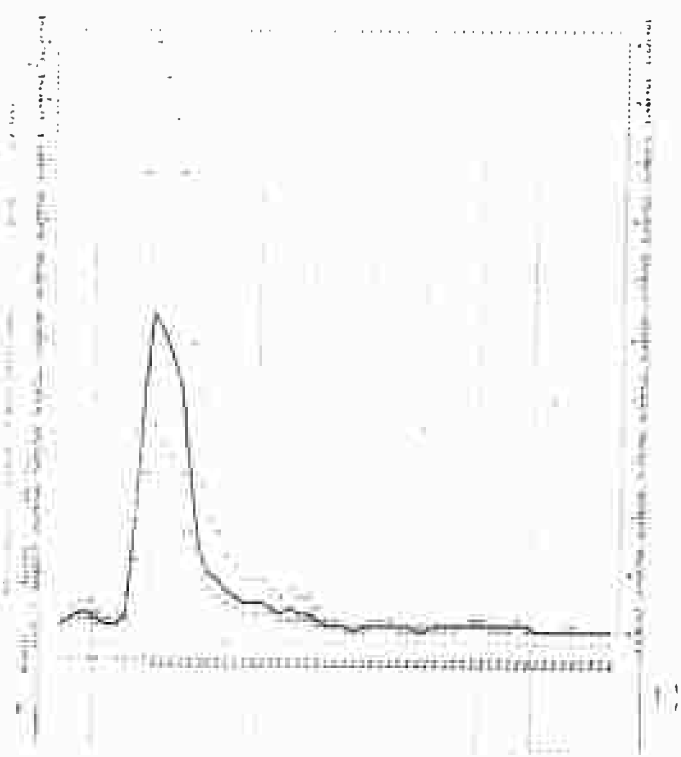
N	FREQ.	UNIT+F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.2251	.2251	.2132	.2132	.3330	.1358
1	.006	.3175	.3175	.3056	.3056	.5633	.1966
2	.011	.3070	.3070	.2959	.2959	.6920	.2345
3	.017	.2945	.2945	.2826	.2826	.5208	.1749
4	.022	.1838	.1838	.1719	.1719	.3169	.1095
5	.028	.1880	.1880	.1761	.1761	.3246	.1121
6	.033	.1033	.1033	.0914	.1440	.2655	.0917
7	.039	.6293	.6293	.6174	.8148	1.5110	.5220
8	.044	5.2567	5.2567	5.2478	6.2907	11.5967	4.0056
9	.050	11.2525	11.2525	11.2406	12.4759	22.9950	7.9639
10	.056	10.4824	10.4824	10.4705	11.6616	21.4940	7.4256
11	.061	6.7862	6.7862	6.7743	7.6271	14.0563	4.8552
12	.067	4.7421	4.7421	4.7302	4.6516	8.4626	3.0093
13	.072	4.8261	4.8261	4.8144	4.9416	9.1081	3.1465
14	.078	4.0842	4.0842	4.0723	4.2144	7.7685	2.6837
15	.083	2.6200	2.6200	2.6081	2.7636	5.0557	1.7466
16	.089	1.6709	1.6709	1.6590	1.7660	3.2518	1.1232
17	.094	1.2266	1.2266	1.2147	1.3353	2.4711	.8466
18	.100	1.0567	1.0567	1.0448	1.1896	2.1921	.7571
19	.106	.6364	.6364	.6245	.7182	1.3507	.4494
20	.111	.3726	.3726	.3609	.4421	.8159	.2819
21	.117	.3611	.3611	.3492	.4214	.7776	.2686
22	.122	.3991	.3991	.3872	.5194	.9560	.3316
23	.128	.3823	.3823	.3704	.3225	.5930	.2042
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 2/7 3/54 AV. T= [illegible] RECORD = JM 12

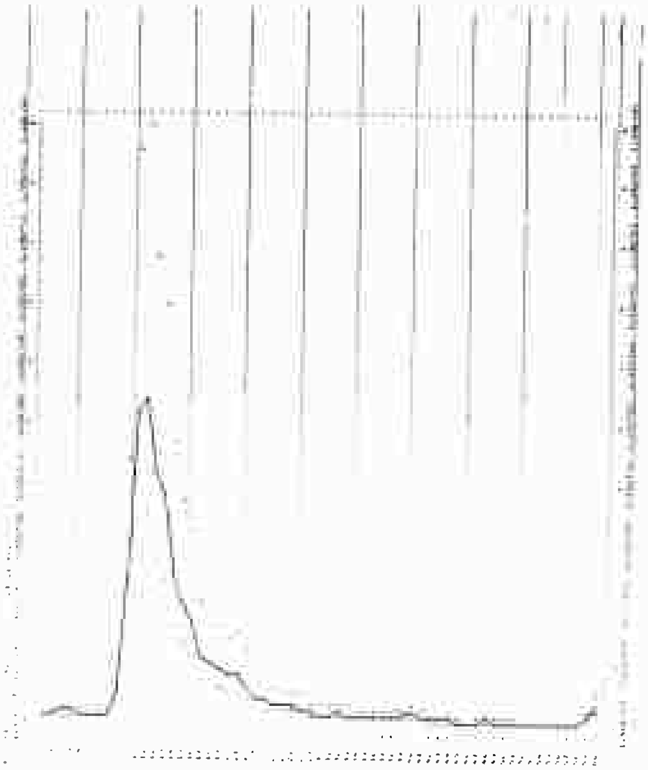
N	FREQ.	UNIT+F1.2	FILTERED	LESS NOISE	CORR.F1.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1967 DIGITIZED BY JOHNS HOPKINS LAB.

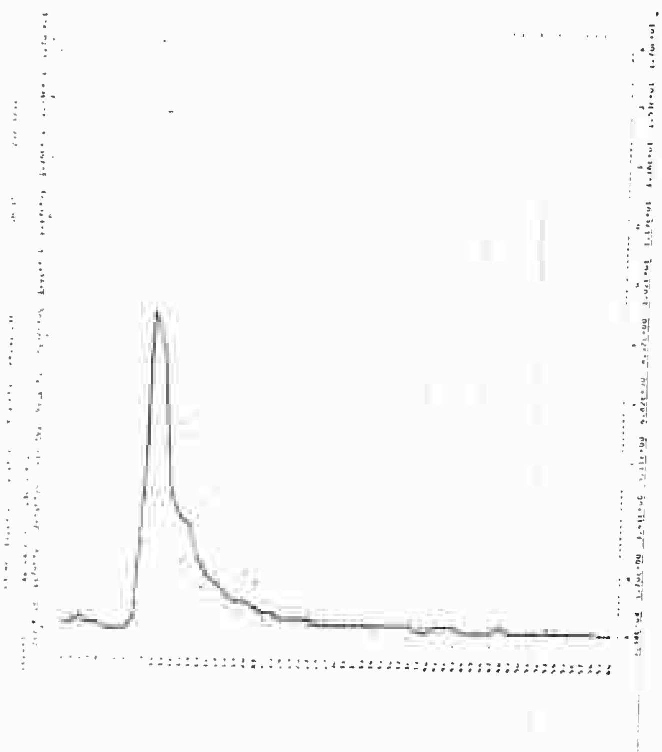
DATE = 2/7 3/59 AV. T= 15.2 RECORD = JH 14
HOUR = 15 SIG.HGT. = 31.5
TOTAL OF =130 CORR. VAR. = 61.9
NOISE LEVEL = .0163 WIND SPEED = 30

N	FRE.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1091	.1091	.0728	.0928	.1710	.0591
1	.006	.2236	.2236	.2033	.2033	.3821	.1320
2	.011	.3572	.3572	.3409	.3409	.6282	.2130
3	.017	.3316	.3316	.3153	.3153	.5011	.2067
4	.022	.2317	.2317	.2154	.2154	.3370	.1371
5	.028	.1833	.1833	.1670	.1670	.3078	.1061
6	.033	.1433	.1433	.1270	.2002	.3689	.1276
7	.039	.1400	.1400	.1237	.1843	.3028	.1046
8	.044	.7078	.7078	.6915	.8234	1.5176	.5243
9	.050	3.4423	3.4423	3.4260	3.8025	7.0086	2.4712
10	.056	7.8714	7.8714	7.8551	8.3500	15.3903	5.3164
11	.061	8.3938	8.3938	8.3775	8.6916	15.0199	5.5363
12	.067	6.5922	6.5922	6.5759	6.7554	12.4517	4.2948
13	.072	5.9201	5.9201	5.9038	6.0573	11.1645	3.8569
14	.078	3.9432	3.9432	3.9269	4.0441	7.4412	2.5879
15	.083	3.0666	3.0666	3.0441	3.2056	5.9073	2.0408
16	.089	2.6471	2.6471	2.6308	2.7773	5.1154	1.7812
17	.094	1.5427	1.5427	1.5264	1.7356	3.2080	1.1076
18	.100	1.4837	1.4837	1.4674	1.6765	3.0789	1.0636
19	.106	1.2187	1.2187	1.2024	1.4174	2.6163	.9018
20	.111	1.0365	1.0365	1.0226	1.2551	2.3133	.7991
21	.117	1.0581	1.0581	1.0418	1.3352	2.4610	.8502
22	.122	.7716	.7716	.7553	1.0134	1.9684	.6456
23	.128	.4885	.4885	.4722	.6661	1.2277	.4241
24	.133	.4166	.4166	.4021	.5976	1.1021	.3807
25	.139	.3271	.3271	.3108	.4904	.9036	.3123
26	.144	.2672	.2672	.2508	.4105	.7716	.2665
27	.150	.2782	.2782	.2615	.4664	.8560	.2957
28	.156	.2263	.2263	[illegible]	.3976	.7124	.2531
29	.161	.1579	.1579	.1416	.2865	.5281	.1826



SPECTRA HINDCASTING ... DIGITIZED BY JOHNS HOPKINS LAB.

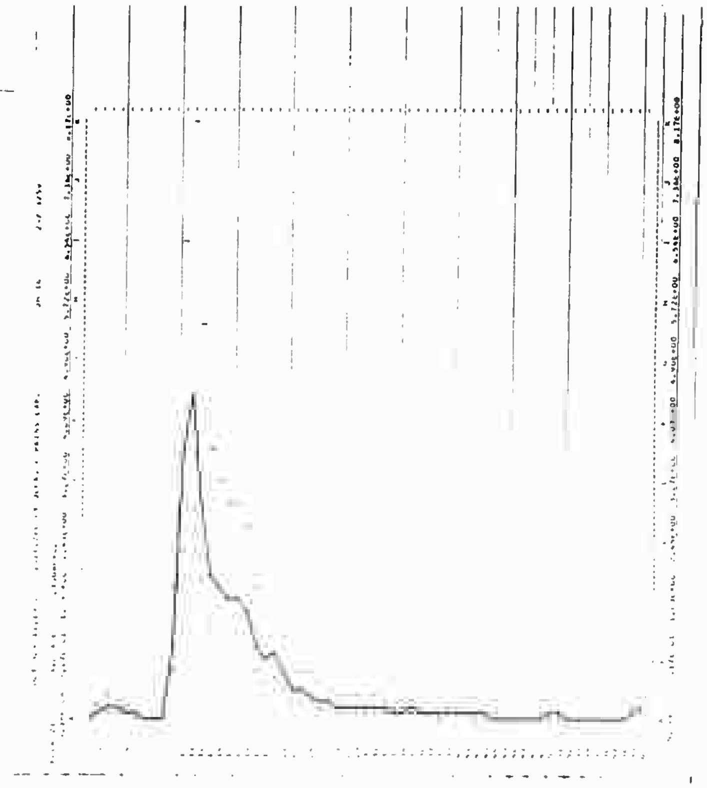
[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/57 AV. H = 16.1 RECORD = JH 16
HOUR = 21 SIG.HGT. = 21.3
TOTAL DF = 139 CORR. VAR. = 26.4
NOISE LEVEL = .0111 WIND SPEED = 25

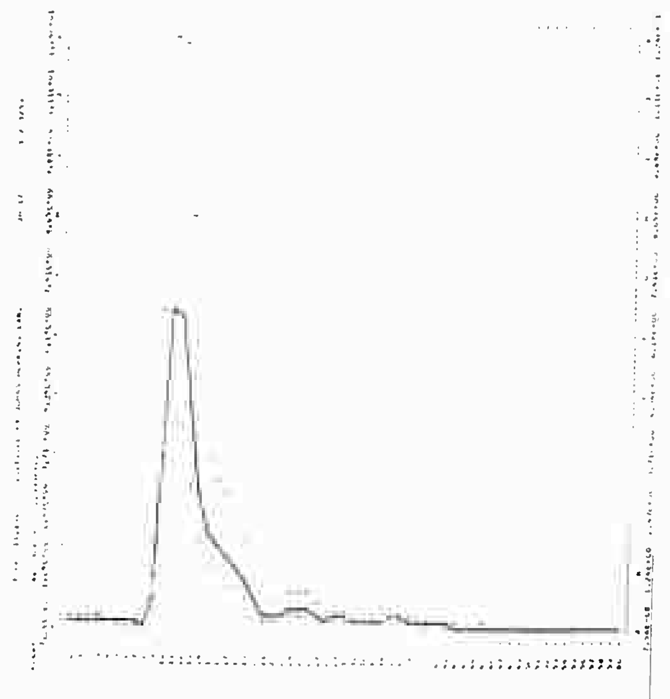
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0467	.0467	.0356	.0356	.0656	.0277
1	.006	.1146	.1146	.1061	.1061	.1350	.0677
2	.011	.1873	.1873	.1762	.1762	.3210	.1169
3	.017	.1569	.1569	.1414	.1416	.2616	.0903
4	.022	.1012	.1012	.0846	.0800	.1623	.0561
5	.028	.0643	.0643	.0532	.0532	.0980	.0335
6	.033	.0261	.0261	.0130	.0204	.0376	.0130
7	.039	.0304	.0304	.0173	.0230	.0423	.0144
8	.044	.0178	.0178	.0066	.0055	.0102	.0035
9	.050	.4066	.4065	.3936	.3916	1.0277	.3114
10	.056	3.3644	3.3644	3.3517	[illegible]	6.5670	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	3.6503	[illegible]
14	.078	1.7156	1.7156	1.7025	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	1.5150	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	1.7875	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	1.5290	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = [illegible] AV. H = [illegible] RECORD = JH 17
HOUR = [illegible] SIG.HGT. = [illegible]
TOTAL DF = [illegible] CORR. VAR. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

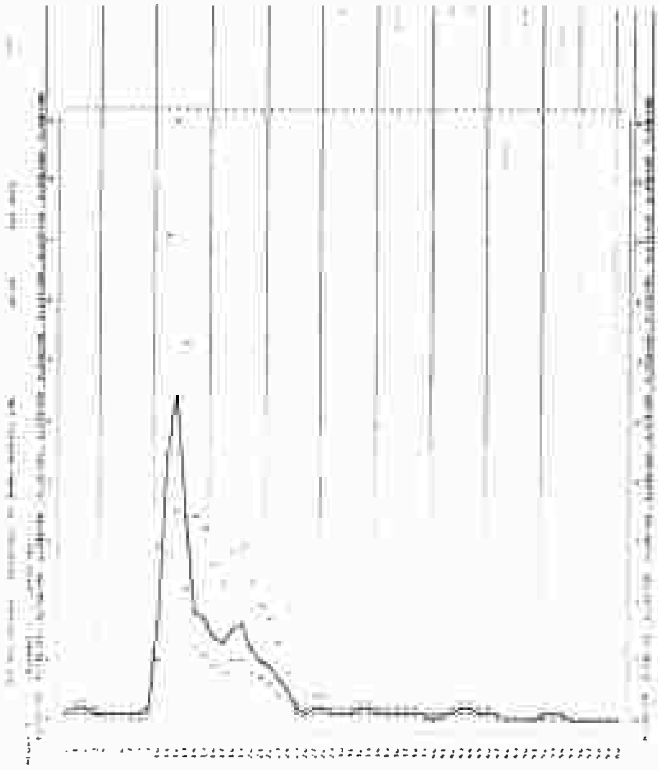
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/ 3/59   AV. T= 9.9   RECORD = JH 18
HOUR = 3   SIG.HGT. = 14.9
TOTAL EF =128   CORR. VAR. = 24.7
NOISE LEVEL = .0075   WIND SPEED = 30

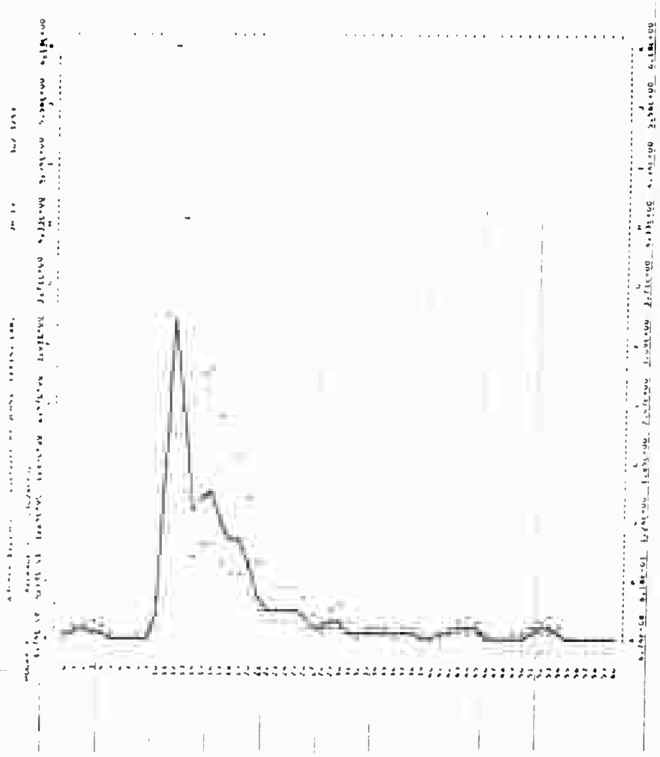
N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0845	.0845	.0770	.0770	.1419	.0430
1	.006	.1270	.1270	.1195	.1195	.2202	.0761
2	.011	.1449	.1449	.1374	.1374	.2533	.0875
3	.017	.0822	.0822	.0747	.0747	.1377	.0476
4	.022	.0487	.0487	.0412	.0412	.0759	.0262
5	.028	.0635	.0635	.0560	.0560	.1032	.0356
6	.033	.0464	.0464	.0389	.0613	.1124	.0390
7	.039	.0377	.0377	.0302	.0461	.0734	.0255
8	.044	.0530	.0530	.0455	.0542	.0998	.0345
9	.050	.1380	.1380	.1305	.1448	.2670	.0922
10	.056	1.1264	1.1264	1.1189	1.1896	2.1922	.7573
11	.061	3.2109	3.2169	3.2094	3.3235	6.1257	2.1167
12	.067	4.0195	4.0195	4.0120	4.1151	7.5844	2.6203
13	.072	2.5411	2.5411	2.5336	2.5935	4.7912	1.6552
14	.078	1.3465	1.3465	1.3390	1.3855	2.5563	.8824
15	.083	1.2441	1.2441	1.2366	1.3002	2.3965	.8279
16	.089	1.0202	1.0202	1.0127	1.0768	1.9847	.6856
17	.094	.8704	.8704	.8629	.9527	1.7560	.6066
18	.100	1.0341	1.0341	1.0266	1.1687	2.1541	.7442
19	.106	1.0148	1.0148	1.0076	1.1892	2.1919	.7572
20	.111	.7744	.7744	.7669	.9418	1.7359	.5997
21	.117	.6218	.6218	.6143	.7875	1.4513	.5014
22	.122	.5194	.5194	.5119	.6871	1.2665	.4375
23	.128	.3875	.3875	.3800	.5364	.9874	.3413
24	.133	.2374	.2374	.2299	.3414	.6301	.2177
25	.139	.0953	.0953	.0878	.1381	.2546	.0880
26	.144	.0594	.0594	.0519	.0867	.1597	.0552
27	.150	.0942	.0942	.0867	.1518	.2835	.0979
28	.156	.0877	.0877	.0802	.1517	.2796	.0966
29	.161	.0487	.0487	.0412	.0833	.1535	.0530
30	.167	.0436	.0436	.0361	.0783	.1443	.0497
31	.172	.0504	.0504	.0430	.1002	.1847	.0638
32	.178	.0543	.0543	.0468	.1177	.2170	.0750
33	.183	.0572	.0572	.0497	.1352	.2492	.0861
34	.189	.0421	.0421	.0347	.1022	.1883	.0651
35	.194	.0309	.0309	.0234	.0750	.1382	.0477
36	.200	.0357	.0357	.0282	.0986	.1817	.0628
37	.206	.0334	.0334	.0260	.0989	.1822	.0629
38	.211	.0253	.0253	.0178	.0742	.1367	.0472
39	.217	.0180	.0180	.0105	.0483	.0890	.0307
40	.222	.0124	.0124	.0049	.0245	.0452	.0156
41	.228	.0156	.0154	.0084	.0464	.0854	.0296
42	.233	.0227	.0212	.0137	.0841	.1550	.0535
43	.239	.0257	.0262	.0187	.1131	.2100	.0725
44	.244	.0234	.0226	.0151	.1141	.2104	.0728
45	.250	.0185	.0187	.0112	.0956	.1751	.0605
46	.256	.0150	.0150	.0075	.0711	.1314	.0454
47	.261	.0118	.0118	.0043	.0432	.0793	.0274
48	.267	.0067	.0076	.0001	.0004	.0017	.0006
49	.272	.0061	.0051	.0000	.0000	.0000	.0000
50	.278	.0067	.0054	.0000	.0001	.0000	.0000
51	.283	.0074	.0076	.0001	.0011	.0021	.0007
52	.289	.0103	.0084	.0021	.0411	.0757	.0262
53	.294	.0104	.0100	.0025	.0556	.1025	.0354
54	.300	.0091	.0090	.0015	.0384	.0707	.0244
55	.306	.0088	.0071	.0000	.0000	.0000	.0000
56	.311	.0095	.0066	.0000	.0000	.0000	.0000
57	.317	.0078	.0070	.0000	.0000	.0000	.0000
58	.322	.0080	.0075	.0000	.0000	.0000	.0000
59	.328	.0055	.0066	.0000	.0000	.0000	.0000
60	.333	.0047	.0051	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/ 3/59   AV. T= 9.9   RECORD = JH 19
HOUR = 4   SIG.HGT. = 14.4
TOTAL EF =133   CORR. VAR. = 24.7
NOISE LEVEL = .0050   WIND SPEED = 25

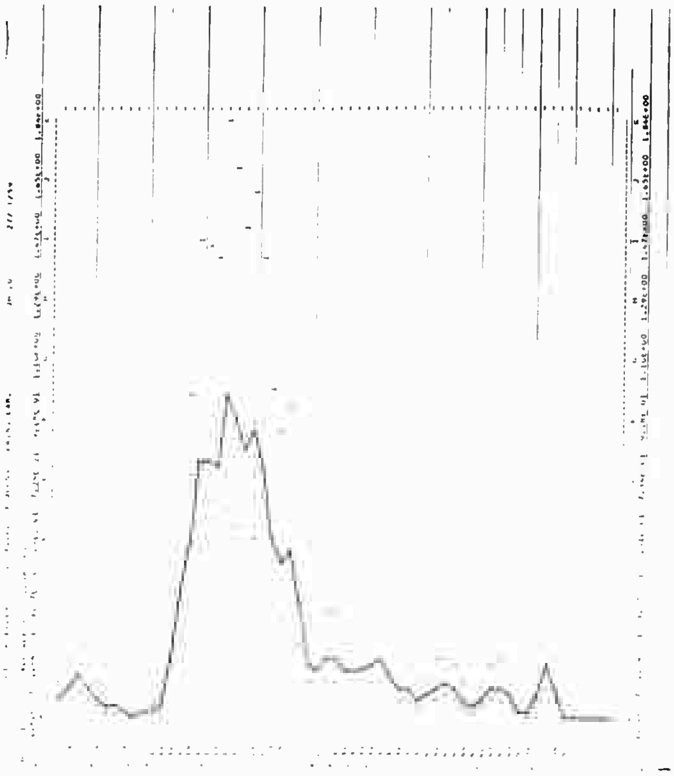
N	FREQ.	UNIT+FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 277 1959 AV. T= 7.3 RECORD = JH 20
HOUR = 18 SIG.HGT. = 14.6
TOTAL DF =235 CORR. VAR. = 13.3
NOISE LEVEL = .0120 WIND SPEED = 45

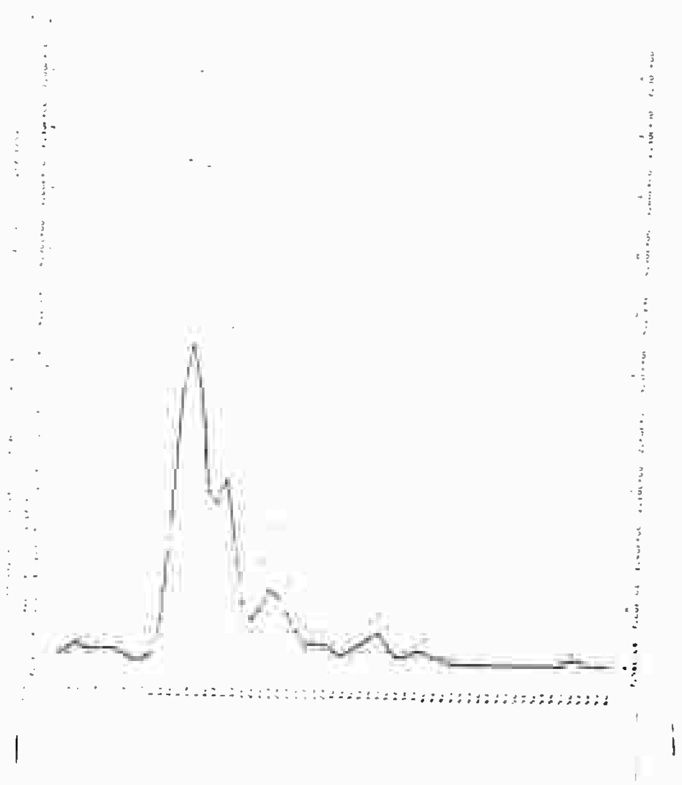
N	FRQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0705	.0705	.0585	.0585	.1077	.0373
1	.006	.1103	.1103	.0983	.0983	.1813	.0626
2	.011	.1326	.1326	.1206	.1206	.2222	.0768
3	.017	.0986	.0986	.0866	.0866	.1597	.0557
4	.022	.0744	.0744	.0624	.0624	.1150	.0397
5	.028	.0488	.0488	.0368	.0368	.0678	.0234
6	.033	.0330	.0330	.0216	.0331	.0609	.0211
7	.039	.0230	.0230	.0116	.0146	.0269	.0093
8	.044	.0173	.0173	.0053	.0063	.0116	.0040
9	.050	.0274	.0274	.0154	.0171	.0314	.0109
10	.056	.0351	.0351	.0231	.0245	.0452	.0156
11	.061	.0535	.0535	.0415	.0430	.0773	.0274
12	.067	.1940	.1940	.1820	.1875	.3455	.1196
13	.072	.3030	.3030	[illegible]	[illegible]	.7032	[illegible]
14	.078	.5202	.5202	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.5066
16	.089	.7554	.7554	[illegible]	[illegible]	[illegible]	.5031
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	.7053	.7053	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	.1367	[illegible]	[illegible]	[illegible]	.3076
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3117
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	.1357	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING [illegible] DIGITIZED BY JOHNS HOPKINS LAB.

DATE = [illegible] RECORD = [illegible]
HOUR = [illegible]
TOTAL DF [illegible]

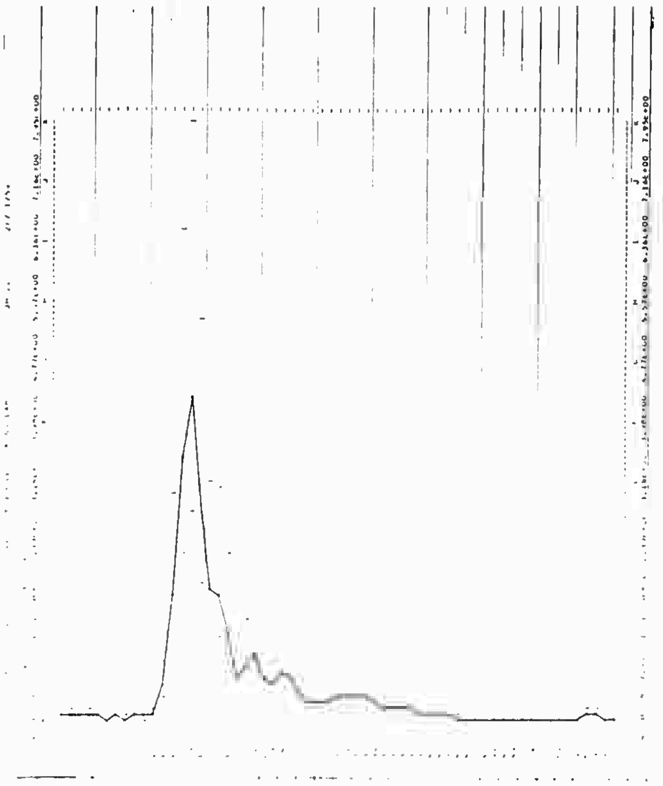
N	FRQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

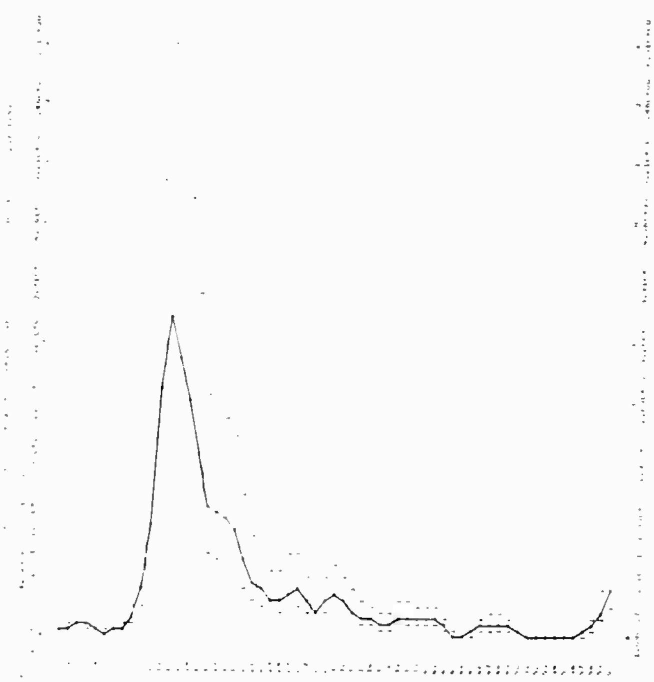


SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 2/07 1255 AV. Ta 7.2 RECORD = JH 22
RECN = 6 SIG.HGT. = 20.5
TOTAL DF =120 CORR. VAR. = 26.6
NOISE LEVEL = .0120 WIND SPEED = 25

H	FREQ.	UNITS FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0823	.0823	.0876	.0876	.1282	.0443
1	.006	.0988	.0788	.0261	[illegible]	.1586	.0548
2	.011	.1230	.1230	.1102	.1102	.2032	.0702
3	.017	.1047	.1077	.0564	.0564	.1787	.0617
4	.022	.0676	.0696	.0567	.0567	.1048	.0362
5	.029	.0473	.0473	.0146	.0146	.0637	.0220
6	.033	.0384	.0384	.0257	[illegible]	.0746	.0258
7	.037	.0413	.0413	.0265	[illegible]	.0578	.0241
8	.044	[illegible]	.0527	.0334	[illegible]	.0608	.0211
9	.050	.0652	.0652	[illegible]	.0582	.1072	.0310
10	.056	.0760	.0788	[illegible]	.0702	.1244	.0447
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	2.7556	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	.5831	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	.3286	[illegible]	[illegible]	[illegible]	[illegible]

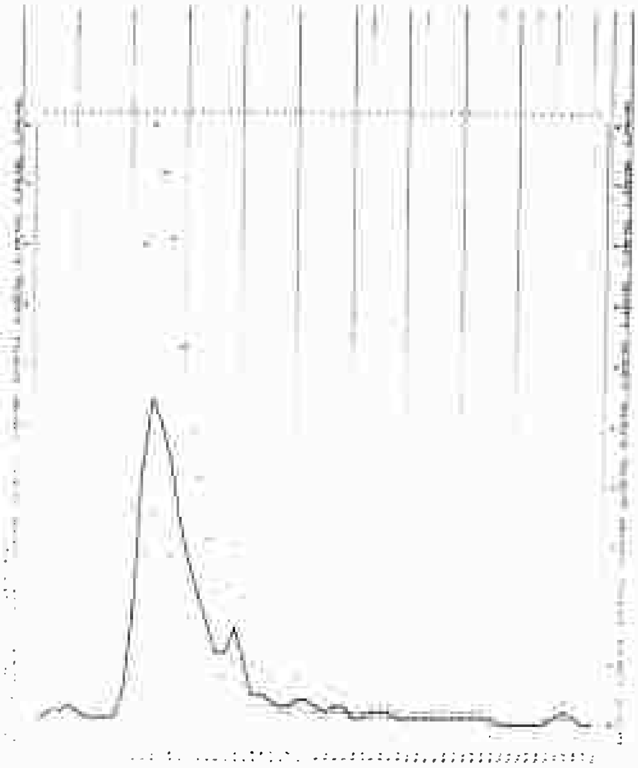




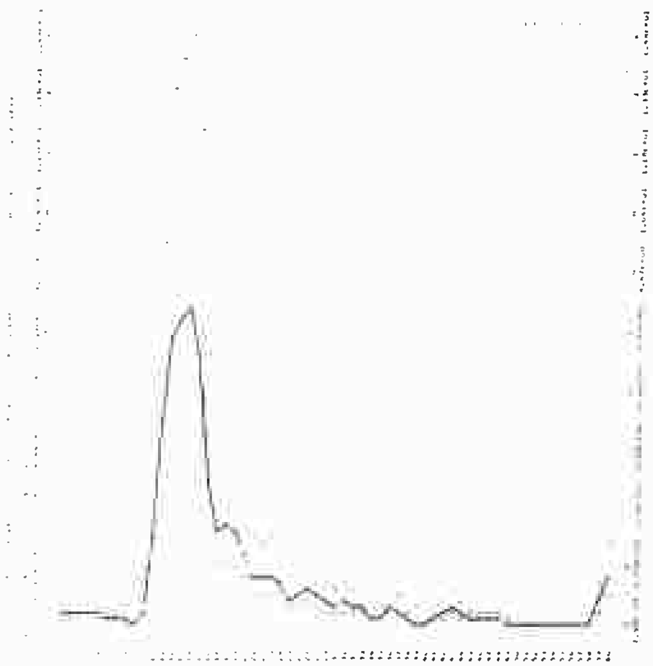
SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 287 1/59 AV. 14 9.5 RECORD = JH 24
HOUR = 12 SIG.HGT. = 35.3
TOTAL DF =151 CORR. FAN. = 77.8
NOISE LEVEL = .0278 WIND SPEED = 50

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2617	.2617	.2339	.2339	.4311	.1469
1	.006	.2953	.2953	.2675	.2675	.4930	.1703
2	.011	.4403	.4403	.4125	.4125	.7601	.2627
3	.017	.5316	.5316	.5039	.5039	.9287	.3208
4	.022	.4376	.4376	.4098	.4098	.7553	.2609
5	.028	.2752	.2752	.2474	.2474	.4561	.1575
6	.033	.1721	.1721	.1443	.2274	.4191	.1448
7	.039	.0961	.0961	.0683	.0958	.1673	.0578
8	.044	.2125	.2125	.1848	.2201	.4056	.1401
9	.050	.9358	.9358	.9080	1.0078	1.8575	.6417
10	.056	3.2435	3.2435	3.2158	3.4169	6.1005	2.1766
11	.061	7.2809	7.2809	7.2532	7.5252	13.8700	4.7916
12	.067	9.2417	9.2417	9.2140	9.4904	17.4192	6.0177
13	.072	8.4739	8.4739	8.4462	8.6658	15.9723	5.5178
14	.078	7.3786	7.3786	7.3508	7.6081	14.0224	4.8444
15	.083	5.7033	5.7033	5.6755	5.8672	10.9985	3.7996
16	.089	4.3963	4.3963	4.3686	4.6451	8.5616	2.9577
17	.094	3.5335	3.5335	3.5058	3.6087	7.1277	2.4631
18	.100	2.5830	2.5830	2.5551	2.7309	5.3015	1.8322
19	.106	1.7821	1.7821	1.7541	1.9716	3.6172	1.2567
20	.111	1.7862	1.7862	1.7606	1.8614	3.3446	1.1765
21	.117	2.2214	2.2214	2.1936	2.4118	5.1922	1.7762
22	.122	1.5104	1.5104	1.4826	1.4203	1.6486	1.2671
23	.128	.6965	.6965	.6748	.7461	1.7638	.6029
24	.133	.5422	.5422	.5144	.6316	1.5671	.5365
25	.139	.4943	.4921	.4665	.7367	1.1968	.4651
26	.144	.3211	.3211	.2433	[illegible]	[illegible]	.3116
27	.150	.3367	.3367	.3049	[illegible]	1.0391	[illegible]
28	.156	.4088	.4088	[illegible]	[illegible]	1.3286	[illegible]
29	.161	.3027	.3027	.3156	[illegible]	[illegible]	[illegible]
30	.167	.2473	.2473	[illegible]	[illegible]	[illegible]	.3021
31	.172	.1945	.1945	.1717	[illegible]	.7106	[illegible]
32	.178	.2656	.2656	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.2136	[illegible]	[illegible]	[illegible]	[illegible]	.3216
34	.189	.0870	.0870	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	.0766	.0766	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	.1051	.1051	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.2065
38	.211	.1066	.1066	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0511	.0511	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



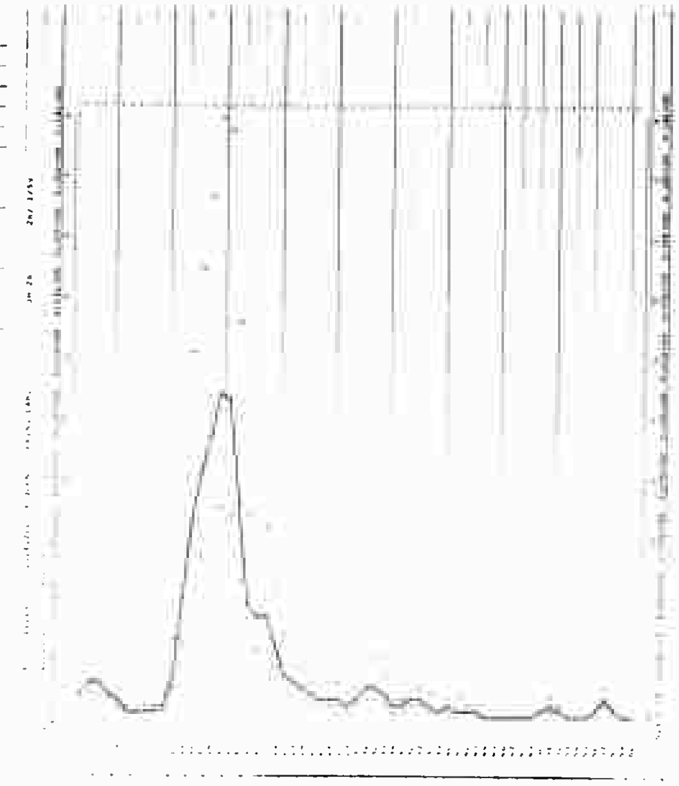
N	FRE.	UNIT=FT.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

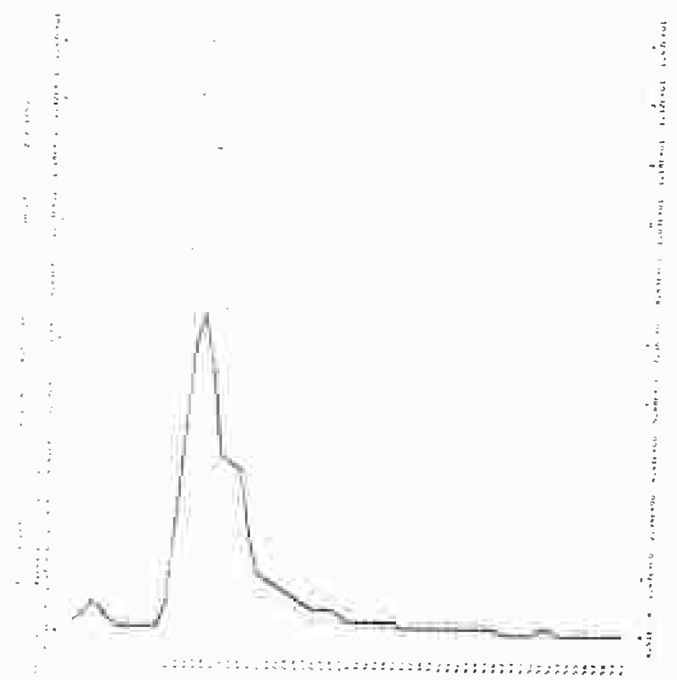


SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 | AV. T= 9.4 | RECORD = JH 26
HOUR = 18 | SIG.HGT. = 26.0
TOTAL DF =152 | CORR. VAR. = 42.3
NOISE LEVEL = .0251 | WIND SPEED = 50

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3910	.3910	.3660	.3660	.6745	.2330
1	.006	.5913	.5913	.5662	.5662	1.0437	.3606
2	.011	.6192	.6192	.5941	.5941	1.0951	.3763
3	.017	.3871	.3871	.3620	.3620	.6672	.2305
4	.022	.2706	.2706	.2456	.2456	.4526	.1564
5	.028	.1473	.1473	.1222	.1222	.2252	.0778
6	.033	.0973	.0973	.0723	.1139	.2098	.0725
7	.039	.1060	.1060	.0809	.1074	.1980	.0684
8	.044	.0948	.0948	.0697	.0830	.1530	.0529
9	.050	.2057	.2057	.1806	.2005	.3695	.1276
10	.056	.6439	.6439	.6188	.6578	1.2124	.4188
11	.061	1.7517	1.7517	1.7266	1.7914	3.3017	1.1406
12	.067	2.9735	2.9735	2.9485	3.0243	5.5741	1.9257
13	.072	3.6716	3.6716	3.6465	3.7413	6.8953	2.3823
14	.078	4.1963	4.1963	4.1712	4.3172	7.9572	2.7489
15	.083	4.7618	4.7618	4.7367	4.9802	9.1793	3.1711
16	.089	4.6184	4.6129	4.5939	[illegible]	9.0031	3.1102
17	.094	2.9971	2.9971	2.9720	3.2743	6.0443	2.0861
18	.100	1.5194	1.5194	1.4943	[illegible]	3.1356	1.0832
19	.106	1.3255	1.3255	1.3004	[illegible]	2.8295	.9775
20	.111	1.3062	1.3062	1.2812	[illegible]	2.8998	1.0018
21	.117	.8906	.8906	.8655	1.1093	2.0446	.7063
22	.122	.5362	.5362	.5112	.6862	1.2648	.4369
23	.128	.4239	.4239	[illegible]	.5826	1.0367	.3582
24	.133	.3056	.3056	[illegible]	.4163	.7672	.2650
25	.139	.2306	.2306	[illegible]	.3234	.5961	.2059
26	.144	.2165	.2165	[illegible]	[illegible]	.5706	.1970
27	.150	.1971	[illegible]	.1720	[illegible]	.5621	.1942
28	.156	.1838	.1838	.1587	[illegible]	.5531	.1912
29	.161	.1209	.1209	[illegible]	[illegible]	.3852	.1331
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	.4788	.1654
31	.172	.2257	.2257	[illegible]	[illegible]	.8626	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1198
33	.183	.1479	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	.4665	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	.4537	.1567
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	.3562	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]





SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

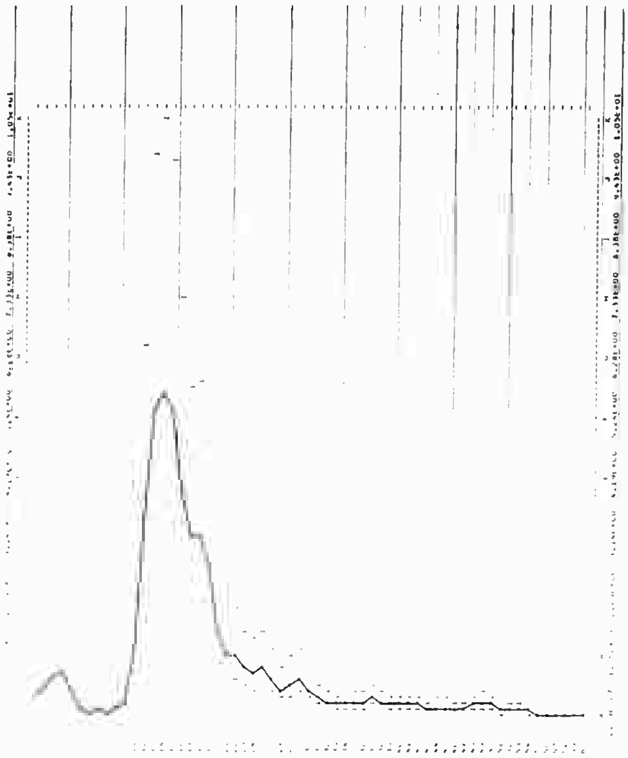
DATE = 297 1/5?   AV. T= 3.0   RECORD = JH 28

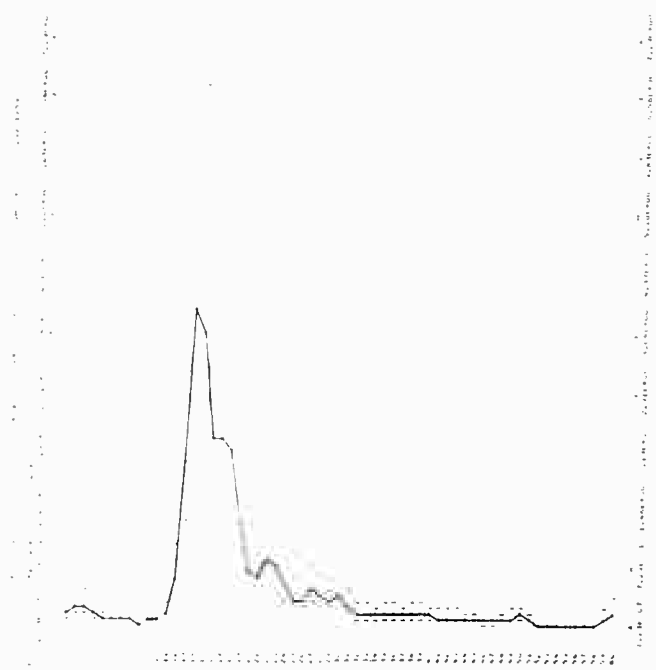
HOUR = 0   SIG.HGT. = 2?.?

TOTAL DF =15?   CORR. VAR. = ??.?

NOISE LEVEL = .021?   WIND SPEED = ?0

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1458	.1458	.3234	.3234	.5369	.2062
1	.006	.4461	.4461	.4261	.4261	.7421	.2102
2	.011	.6880	.6886	.6506	.6506	1.1307	.4114
3	.017	.7145	.7145	.6475	.6975	1.2856	.4461
4	.022	.4161	.4161	.3546	.3962	.7266	.2510
5	.028	.1150	.1150	.0931	.0931	.1716	.0593
6	.031	.0410	.0410	.0267	.0167	.0716	.0248
7	.039	.0847	.0847	.0627	.0567	.1066	.0361
8	.044	.0565	.0565	.0925	.0387	.0713	.0246
9	.050	.1610	.1600	.0751	.0242	.1736	.0600
10	.056	.2967	.2967	.2761	.2775	.4544	.1569
11	.061	1.1272	1.1272	1.1052	1.1567	2.1135	.7301
12	.067	3.4652	3.4652	3.4415	3.3117	6.1095	2.2504
13	.072	5.2514	5.2514	5.2345	5.3655	7.0973	3.5164
14	.078	5.5162	5.5162	5.4501	5.6922	10.4732	4.6161
15	.083	5.6558	5.6558	5.6193	5.4426	9.7551	3.3700
16	.089	3.7460	3.7460	3.7100	3.3536	7.2467	2.5173
17	.094	2.8025	2.8025	2.8425	3.1562	5.7769	1.9957
18	.100	2.8100	2.8100	2.7560	3.1467	5.8025	2.0251
19	.106	2.2300	2.2300	2.2041	2.6027	4.4355	1.6534
20	.111	1.1570	1.1570	1.1356	1.4410	2.6570	.9188
21	.117	.3660	.3660	.3460	.4442	1.4427	.6166
22	.122	.7951	.7951	.7751	1.1381	1.7135	.6610
23	.128	.5871	.5871	.5659	.7771	1.4997	.5078

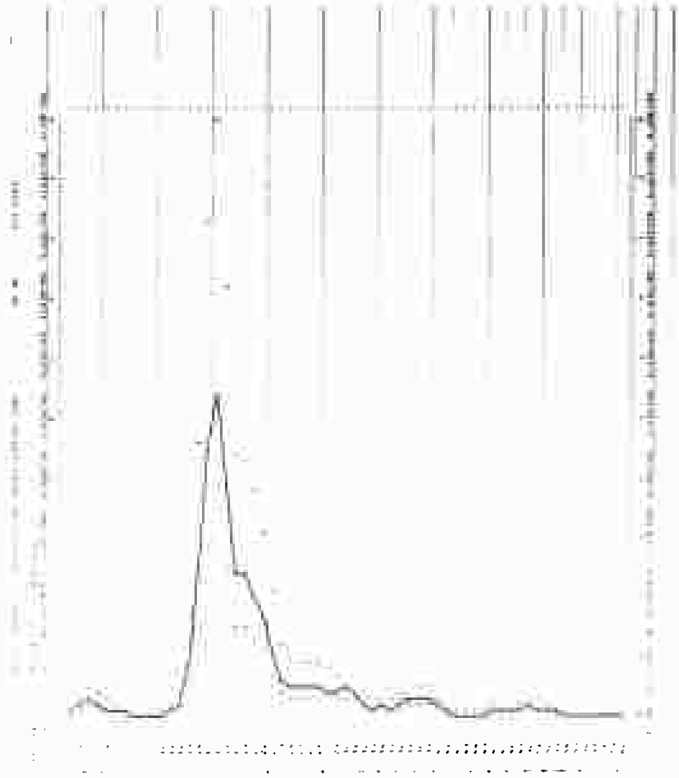




SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

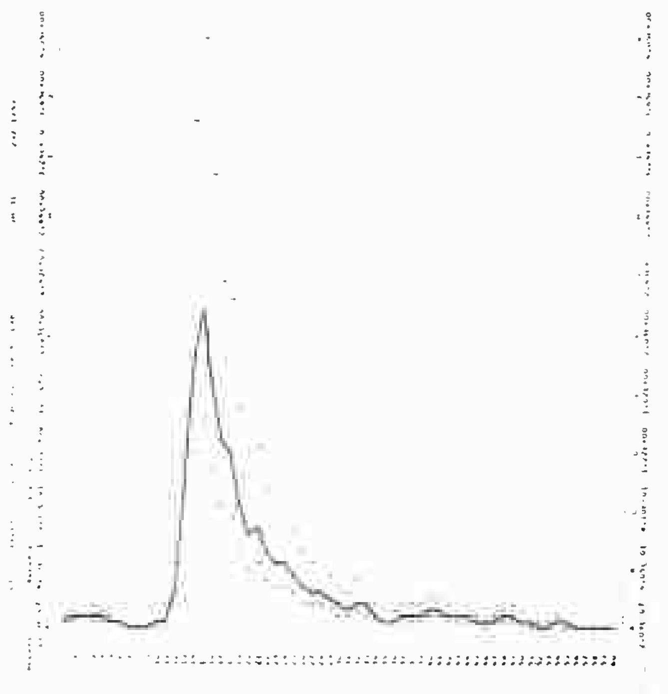
DATE = 29/ 1/59   AV. T = 8.5   RECORD = JM 30
MCUR = 12   SIG.HGT. = 14.6
TOTAL DF =133   CURN. VAR. = 24.5
NOISE LEVEL = .0130   HEAD SPEED = 35

N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0487	.0487	.0357	.0357	.0659	.0226
1	.006	.1179	.1179	.1049	.1059	.1734	.0668
2	.011	.1928	.1928	.1798	.1798	.3311	.1145
3	.017	.1649	.1649	.1518	.1518	.2799	.0967
4	.022	.1144	.1144	.1014	.1014	.1869	.0646
5	.028	.0775	.0775	.0645	.0645	.1188	.0410
6	.033	.0374	.0374	.0244	.0384	.0708	.0245
7	.039	.0195	.0195	.0065	.0086	.0158	.0055
8	.044	.0127	.0127	.0000	.0000	.0000	.0000
9	.050	.0235	.0235	.0105	.0114	.0214	.0074
10	.056	.0341	.0343	.0213	.0227	.0418	.0144
11	.061	.0808	.0808	.0678	.0704	.1297	.0442
12	.067	.1672	.1672	.1541	.1581	[illegible]	.1007
13	.072	.6364	.6364	.6234	.6339	1.1714	.4047
14	.078	1.6827	1.6827	1.6696	1.7281	3.1451	1.1063
15	.083	2.9601	2.9601	2.9471	3.0986	5.7112	1.9730
16	.089	3.5362	3.5362	3.5232	3.7462	6.9047	2.3856
17	.094	2.4610	2.4610	2.4480	2.7014	4.9788	1.7199
18	.100	1.4716	1.4716	1.4586	1.6604	3.0604	1.0571
19	.106	1.3921	1.3921	1.3791	1.6280	3.0007	1.0368
20	.111	1.1635	1.1635	1.1505	1.4126	2.6041	.8996
21	.117	.9214	.9214	.9084	1.1692	2.1554	.7445
22	.122	.5925	.5925	.5795	.7774	1.4338	.4951
23	.128	.3255	.3255	.3125	.4401	.8124	.2807
24	.133	.2652	.2652	.2522	.3750	.6912	.2388
25	.139	.2360	.2360	.2230	.3514	.6477	.2253
26	.144	.2235	.2235	.2105	.3511	.6472	.2236
27	.150	.2049	.2049	.1919	.3401	.6273	.2167
28	.156	.1766	.1766	.1636	.3016	.5711	.1973
29	.161	.1515	.1515	.1385	.2806	.5166	.1786
30	.167	.1628	.1628	.1498	.3251	.5991	.2070
31	.172	.1390	.1390	.1260	[illegible]	[illegible]	[illegible]
32	.178	.0702	.0702	.0572	[illegible]	[illegible]	[illegible]
33	.183	.0499	.0499	.0369	[illegible]	[illegible]	[illegible]
34	.189	.0519	.0519	.0389	[illegible]	[illegible]	[illegible]
35	.194	.0441	.0441	.0311	[illegible]	[illegible]	[illegible]
36	.200	.0526	.0526	.0396	[illegible]	[illegible]	[illegible]
37	.206	.0589	.0589	.0459	[illegible]	[illegible]	[illegible]
38	.211	.0555	.0555	.0425	[illegible]	[illegible]	[illegible]
39	.217	.0508	.0508	.0378	[illegible]	[illegible]	[illegible]
40	.222	.0353	.0353	.0223	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	.0170	.0040	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



[illegible]

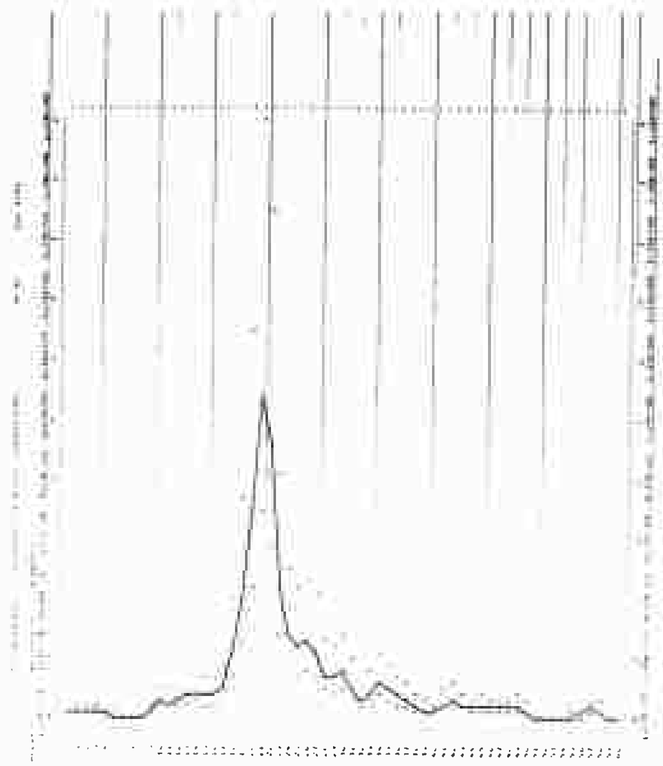
N	FRE.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA WINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 2/2 1/59 AV. I= 7.0 RECORD = JH 32
HOUR = 3 SIG.HGT. = 11.1
TOTAL CF =149 CORR. VAR. = 1.2
NOISE LEVEL = .0049 WIND SPEED = 35

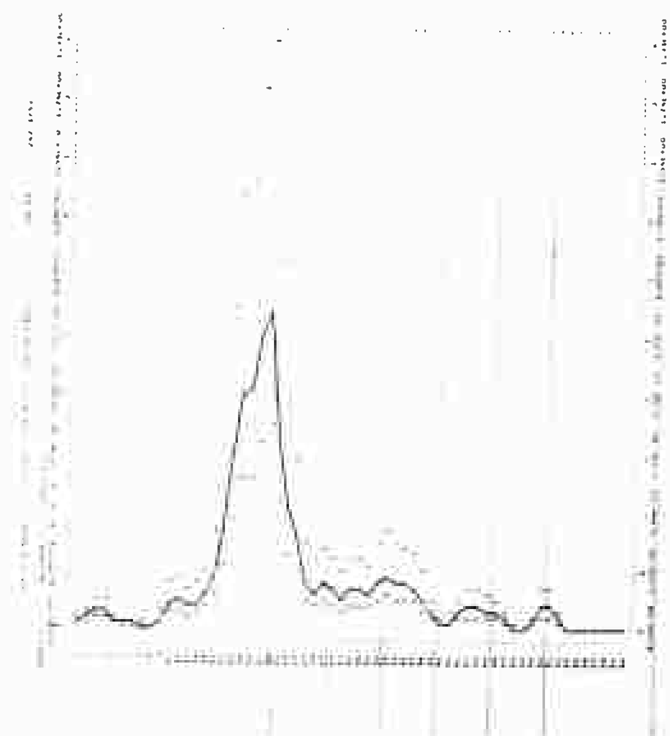
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0179	.0179	.0130	.0130	.0239	.0063
1	.006	.0264	.0264	.0215	.0215	.0396	.0107
2	.011	.0319	.0319	.0270	.0270	.0497	.0177
3	.017	.0272	.0272	.0223	.0223	.0411	.0142
4	.022	.0215	.0215	.0165	.0165	.0304	.0105
5	.028	.0116	.0116	.0067	.0067	.0123	.0043
6	.033	.0068	.0068	.0019	.0030	.0055	.0019
7	.039	.0085	.0085	.0036	.0048	.0088	.0030
8	.044	.0082	.0082	.0032	.0038	.0070	.0024
9	.050	.0250	.0250	.0201	.0223	.0411	.0142
10	.056	.0563	.0563	.0514	.0546	.1006	.0348
11	.061	.0575	.0575	.0525	.0545	.1004	.0347
12	.067	.0643	.0643	.0594	.0609	.1121	.0388
13	.072	.0870	.0870	.0821	.0842	.1552	.0536
14	.078	.0880	.0880	.0831	.0860	.1585	.0548
15	.083	.0841	.0841	.0792	.0832	.1534	.0530
16	.089	.0845	.0845	.0795	.0845	.1556	.0538
17	.094	.1011	.1011	.0962	.1061	.1956	.0676
18	.100	.2107	.2107	.2058	.2347	.4327	.1496
19	.106	.3719	.3719	.3670	.4332	.7985	.2758
20	.111	.6304	.6304	.6255	.7681	1.4157	.4891
21	.117	.9289	.9289	.9239	1.1842	2.1826	.7540
22	.122	.7522	.7522	.7473	1.0012	1.8490	.6388
23	.128	.3505	.3505	.3456	.4875	.8985	.3104
24	.133	.2043	.2043	.1993	.2966	.5461	.1887
25	.139	.1673	.1673	.1623	.2554	.4707	.1626
26	.144	.1693	.1693	.1643	.2742	.5051	.1746
27	.150	.1445	.1445	.1396	.2478	.4563	.1576
28	.156	.0892	.0892	.0843	.1595	.2939	.1015
29	.161	.0772	.0772	.0723	.1462	.2695	.0931
30	.167	.0833	.0833	.0784	.1701	.3135	.1083
31	.172	.0535	.0535	.0485	.1132	.2088	.0721
32	.178	.0282	.0282	.0232	.0585	.1077	.0372
33	.183	.0395	.0395	.0365	.0938	.1729	.0597
34	.189	.0460	.0460	.0410	.1268	.2338	.0808
35	.194	.0384	.0384	.0335	.1022	.1876	.0663
36	.200	.0288	.0288	.0238	.0832	.1533	.0530
37	.206	.0244	.0244	.0195	.0735	.1362	.0471
38	.211	.0167	.0167	.0118	.0492	.0907	.0313
39	.217	.0118	.0118	.0068	.0312	.0575	.0199
40	.222	.0102	.0102	.0052	.0261	.0484	.0167
41	.228	.0160	.0156	.0096	.0535	.0987	.0341
42	.233	.0174	.0161	.0112	.0686	.1265	.0437
43	.239	.0112	.0125	.0076	.0516	.0955	.0330
44	.244	.0094	.0100	.0050	.0380	.0701	.0242
45	.250	.0104	.0099	.0049	.0416	.0767	.0265
46	.256	.0091	.0092	.0042	.0400	.0737	.0256
47	.261	.0078	.0081	.0031	.0330	.0608	.0210
48	.267	.0080	.0074	.0030	.0356	.0657	.0227
49	.272	.0081	.0081	.0032	.0428	.0788	.0272
50	.278	.0072	.0071	.0021	.0326	.0590	.0208
51	.283	.0048	.0051	.0002	.0027	.0049	.0017
52	.289	.0031	.0037	.0000	.0000	.0000	.0000
53	.294	.0035	.0037	.0000	.0000	.0000	.0000
54	.300	.0051	.0048	.0000	.0000	.0000	.0000
55	.306	.0053	.0051	.0003	.0099	.0184	.0063
56	.311	.0052	.0054	.0005	.0152	.0280	.0097
57	.317	.0064	.0059	.0010	.0326	.0610	.0210
58	.322	.0058	.0057	.0007	.0315	.0581	.0201
59	.328	.0048	.0056	.0006	.0314	.0298	.0094
60	.333	.0053	.0050	.0000	.0012	.0021	.0008



SPECTRA WINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = [illegible] AV. I= [illegible] RECORD = JH 33
HOUR = [illegible] SIG.HGT. = [illegible]
TOTAL CF =[illegible] CORR. VAR. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

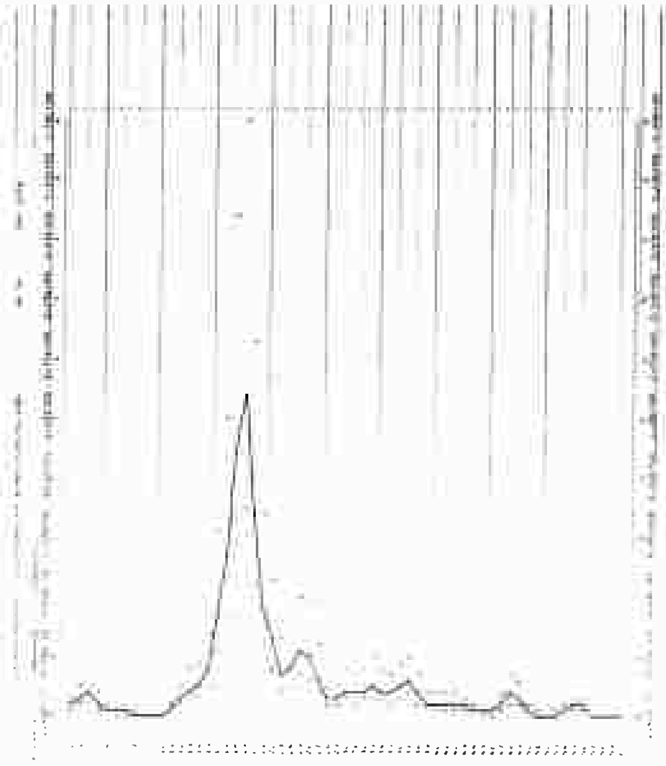
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= 7.3 RECORD = JH 34
HOUR = 9 SIG.HGT. = 16.2
TOTAL DF =152 CORR. VAR. = 16.4
NOISE LEVEL = .0119 WIND SPEED = 45

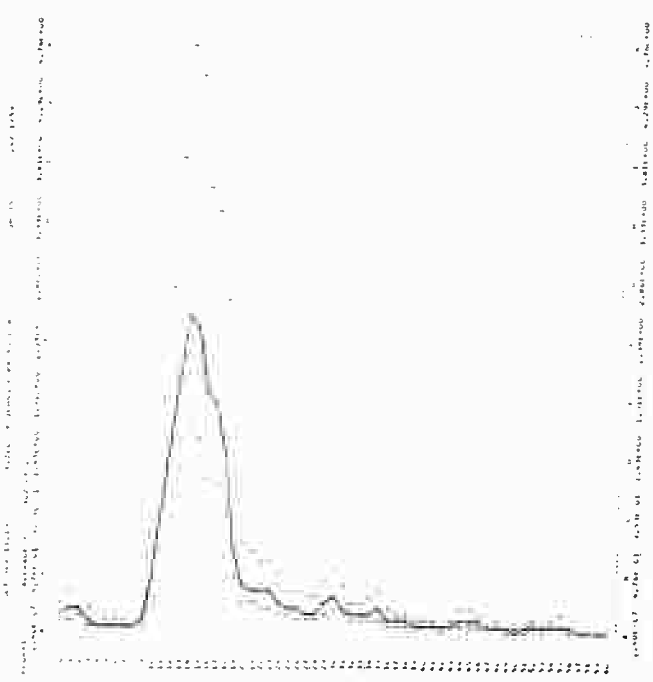
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0884	.0884	.0765	.0765	.1410	.0487
1	.006	.1436	.1436	.1317	.1317	.2428	.0839
2	.011	.1731	.1731	.1612	.1612	.2970	.1026
3	.017	.1077	.1077	.0959	.0959	.1767	.0610
4	.022	.0611	.0611	.0492	.0492	.0907	.0313
5	.028	.0436	.0436	.0317	.0317	.0585	.0202
6	.033	.0274	.0274	.0155	.0244	.0449	.0155
7	.039	.0227	.0227	.0108	.0143	.0264	.0091
8	.044	.0191	.0191	.0072	.0086	.0159	.0055
9	.050	.0135	.0135	.0016	.0018	.0033	.0011
10	.056	.0226	.0226	.0107	.0114	.0210	.0072
11	.061	.0683	.0683	.0564	.0585	.1078	.0373
12	.067	.1365	.1365	.1246	.1278	.2356	.0814
13	.072	.2002	.2002	.1883	.1932	.3561	.1230
14	.078	.2233	.2233	.2114	.2188	.4032	.1393
15	.083	.3509	.3509	.3390	.3566	.6569	.2269
16	.089	.7251	.7251	.7132	.7503	1.3977	.4829
17	.094	1.1278	1.1278	1.1159	1.2312	2.2694	.7840
18	.100	1.8294	1.8294	1.8175	2.0690	3.8135	1.3174
19	.106	2.1082	2.1082	2.0963	2.4747	4.5613	1.5758
20	.111	1.2842	1.2842	1.2723	1.5624	2.8797	.9948
21	.117	.6681	.6681	.6562	.8411	1.5502	.5355
22	.122	.4430	.4430	.4311	.5787	1.0667	.3685
23	.128	.2384	.2384	.2265	.3195	.5889	.2034
24	.133	.2582	.2582	.2463	.3661	.6751	.2332
25	.139	.3226	.3226	.3107	.4888	.9004	.3112
26	.144	.2899	.2899	.2780	.4610	.8566	.2953
27	.150	.1782	.1782	.1663	.2944	.5435	.1878
28	.156	.0815	.0815	.0696	.1317	.2428	.0839
29	.161	.0803	.0803	.0684	.1384	.2550	.0881
30	.167	.1010	.1010	.0891	.1935	.3566	.1232
31	.172	.0827	.0827	.0708	.1651	.3043	.1051
32	.178	.0510	.0510	.0392	.1992	.3672	.1269
33	.183	.0984	.0984	.0865	.2352	.4334	.1497
34	.189	.0775	.0775	.0656	.1935	.3567	.1232
35	.194	.0657	.0657	.0538	.1722	.3174	.1097
36	.200	.0750	.0750	.0631	.2202	.4059	.1402
37	.206	.0785	.0785	.0666	.2535	.4673	.1614
38	.211	.0544	.0544	.0425	.1772	.3265	.1128
39	.217	.0354	.0354	.0235	.1077	.1986	.0686
40	.222	.0310	.0310	.0191	.0961	.1771	.0612
41	.228	.0265	.0275	.0156	.0868	.1601	.0553
42	.233	.0271	.0262	[illegible]	.0871	.1619	.0555
43	.239	.0251	.0242	.0123	.0816	.1502	.0511
44	.244	.0188	.0194	.0075	.0566	.1044	.0361
45	.250	.0133	.0152	.0033	.0278	.0513	.0177
46	.256	.0134	.0155	.0036	.0345	.0632	.0218
47	.261	.0232	.0215	.0096	.1014	.1978	.0663
48	.267	.0293	.0260	.0141	.1478	[illegible]	[illegible]
49	.272	.0220	.0223	.0104	.1154	[illegible]	[illegible]
50	.278	.0145	.0159	.0041	.0611	.1127	.0389
51	.283	.0123	.0128	[illegible]	.0197	[illegible]	[illegible]
52	.289	.0117	.0122	[illegible]	.0051	.0095	.0033
53	.294	.0128	.0128	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	.0142	.0140	.0021	[illegible]	[illegible]	[illegible]
55	.306	.0154	.0148	.0030	[illegible]	[illegible]	[illegible]
56	.311	.0151	.0149	.0024	.0082	[illegible]	[illegible]
57	.317	.0113	.0117	[illegible]	.0000	.0000	.0000
58	.322	.0089	.0092	.0000	.0000	.0000	.0000
59	.328	.0089	.0089	.0000	[illegible]	.0000	.0000
60	.333	.0078	.0085	.0000	[illegible]	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= [illegible] RECORD = JH 35
HOUR = 12 SIG.HGT. = 16.7
TOTAL DF =150 CORR. VAR. = 21.0
NOISE LEVEL = .0149 WIND SPEED = 50

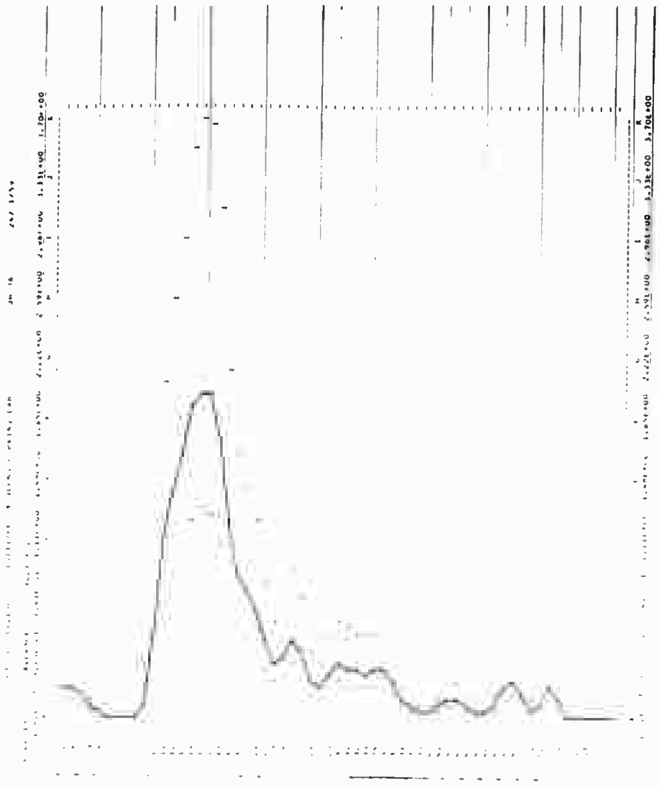
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. 1= 8.0 RECORD = JM 36
HOUR = 15 SIG.HGT. = 19.2
TOTAL UP =204 CORR. VAR. = 23.0
NOISE LEVEL = .0149 WIND SPEED = 30

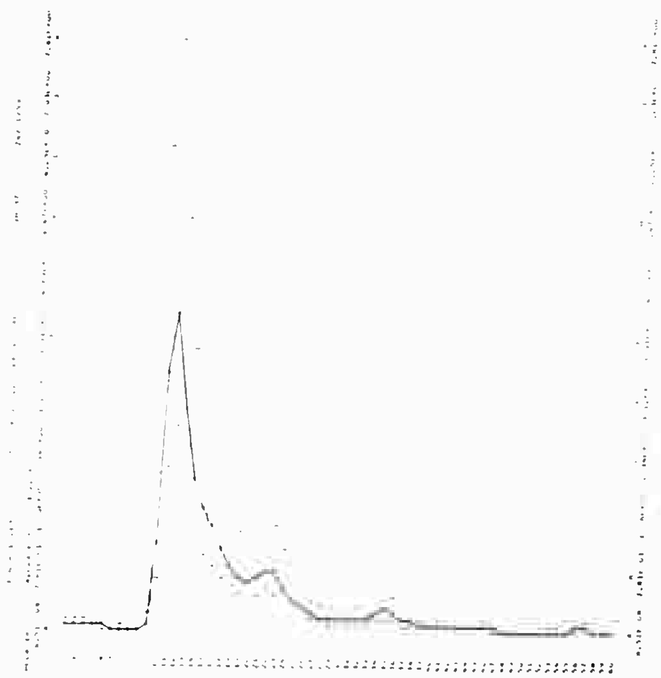
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1871	.1871	.1722	.1722	.3174	.1046
1	.006	.1957	.1957	.1807	.1807	.3331	.1151
2	.011	.1596	.1596	.1446	.1446	.2666	.0941
3	.017	.0814	.0814	.0662	.0665	.1226	.0423
4	.022	.0370	.0370	.0220	.0220	.0406	.0140
5	.028	.0225	.0225	.0076	.0076	.0140	.0048
6	.033	.0188	.0188	.0038	.0060	.0111	.0038
7	.039	.0211	.0211	.0062	.0082	.0152	.0052
8	.044	.0203	.0203	.0054	.0064	.0118	.0041
9	.050	.0981	.0981	.0831	.0923	.1701	.0587
10	.056	.3066	.3066	.4512	.5226	.9633	.3328
11	.061	1.1025	1.1025	1.0875	1.1283	2.0797	.7184
12	.067	1.3855	1.3855	1.3706	1.4050	[illegible]	.8951
13	.072	1.5904	1.5904	1.5755	1.6165	[illegible]	1.0293
14	.078	1.8677	1.8677	[illegible]	[illegible]	3.5145	1.2216
15	.083	1.9266	1.9266	1.9117	2.0160	3.7047	1.2796
16	.089	1.8905	1.8905	1.8755	1.9962	3.6757	1.2688
17	.094	1.5411	1.5411	[illegible]	1.7066	3.1465	1.0863
18	.100	1.0419	1.0419	1.0270	1.1641	2.1466	.7444
19	.106	.7594	.7594	.7445	.8786	1.6198	.5596
20	.111	.6389	.6389	.6240	.7662	1.4121	.4876
21	.117	.5277	.5277	.5128	.6572	1.2115	.4185
22	.122	.3656	.3656	.3506	.4704	.8671	.2995
23	.128	.2474	.2474	[illegible]	.3226	.6053	.2062
24	.133	.2700	.2700	.2550	[illegible]	[illegible]	[illegible]
25	.139	.3298	.3298	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	.2587	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	.1164	.1164	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	.1655	.1655	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	.1257	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	.1114	.1114	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	.1104	.1104	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	.0310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING [illegible]

DATE = [illegible] [illegible] RECORD = [illegible]
HOUR = [illegible]
TOTAL UP = [illegible]
NOISE LEVEL = [illegible]

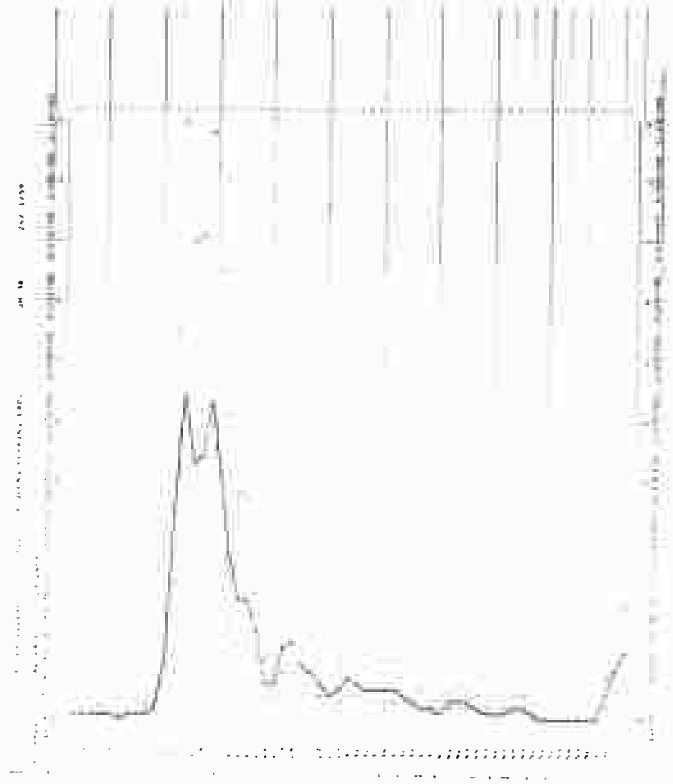
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

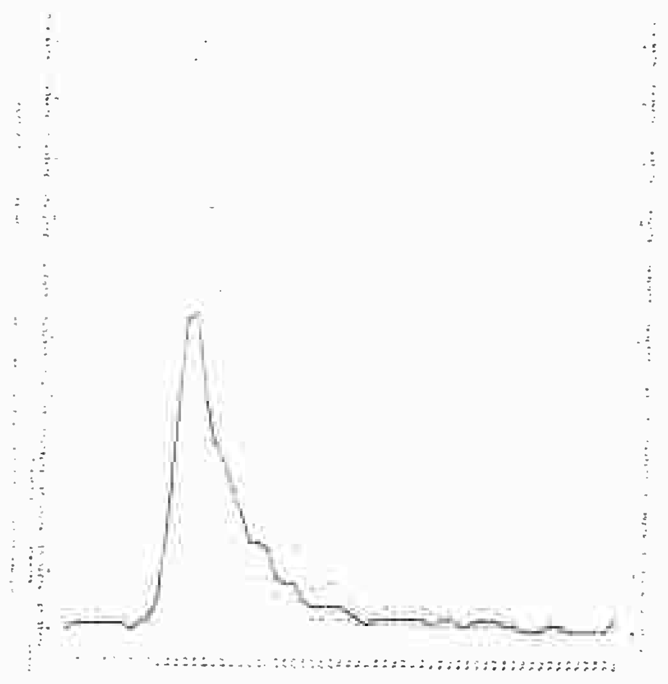
DATE = 247 1759	AV. T= 7.7	RECORD = JH 38	
HOUR = 21	SIG.HGT. = 19.1		
TOTAL DF =180	CORR. VAR. = 22.9		
	NOISE LEVEL = .0098	WIND SPEED = 20	

N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0404	.0404	.0306	.0306	.0564	.0145
1	.006	.0526	.0526	.0436	.0436	.0803	.0277
2	.011	.0686	.0686	.0588	.0588	.1083	.0374
3	.017	.0674	.0674	.0575	.0575	.1060	.0366
4	.022	.0487	.0487	.0388	.0388	.0716	.0247
5	.028	.0279	.0279	.0180	.0180	.0332	.0115
6	.033	.0268	.0268	.0170	.0264	.0494	.0171
7	.039	.0354	.0354	.0255	.0339	.0625	.0216
8	.044	.0430	.0430	.0331	.0395	.0727	.0251
9	.050	.0767	.0767	.0669	.0742	.1368	.0473
10	.056	.3904	.3904	.3806	.4046	.7457	.2576
11	.061	1.4870	1.4870	1.4772	1.5326	2.8248	.9759
12	.067	2.3024	2.3024	2.2925	2.3514	4.3340	1.4973
13	.072	1.8396	1.8396	1.8298	1.8774	3.4603	1.1954
14	.078	1.8526	1.8526	1.8428	1.9073	3.5156	1.2146
15	.083	2.1946	2.1946	2.1848	2.2974	4.2339	1.4627
16	.089	1.6727	1.6727	1.6628	1.7681	3.2588	1.1258
17	.094	1.0981	1.0981	1.0783	1.1597	2.1374	.7576
18	.100	.7867	.7867	.7768	.8866	1.6342	.5646
19	.106	.7544	.7544	.7446	.8796	1.6201	.5597
20	.111	.5547	.5547	.5449	.6651	1.2155	.4261
21	.117	.1984	.1984	.1885	.2418	.4456	.1539
22	.122	.2078	.2078	.1579	.2657	.4486	.1662
23	.128	.3783	.3783	.3684	.2147?	.4578?	.3364?
24	.133	.3802	.3802	.3704	.5502	1.0153	.3507
25	.139	.2597	.2597	.2499	.3931	.7245	.2503
26	.144	.2066	.2066	.1968	.3283?	.6051?	.2091?
27	.150	.1655	.1655	.1556	.2761?	.5088?	.1758?
28	.156	.1024	.1024	.0926	.1751?	.3227	.1115
29	.161	.1135	.1135	.1037?	.2092?	.3867?	.1336
30	.167	.1457	.1457	.1359	.2756?	.5437?	.1878?
31	.172	.1179	.1179	.1080	[illegible]	[illegible]	[illegible]
32	.178	.0953	.0953	.0855	[illegible]	[illegible]	[illegible]
33	.183	.0929	.0929	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	.0861	.0861	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	.0823	.0823	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	.0634	.0634	.0535	[illegible]	[illegible]	[illegible]
37	.206	.0418	.0418	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	.0356	.0356	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	.0256	.0256	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	.0224	.0224	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	.0342	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	.0263	.0269	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	.0224	.0218	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	.0143	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0112	.0150	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	.0157	.0152	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	.0207	.0181	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	.0165	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	.0070	.0072	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	.0050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



[illegible]

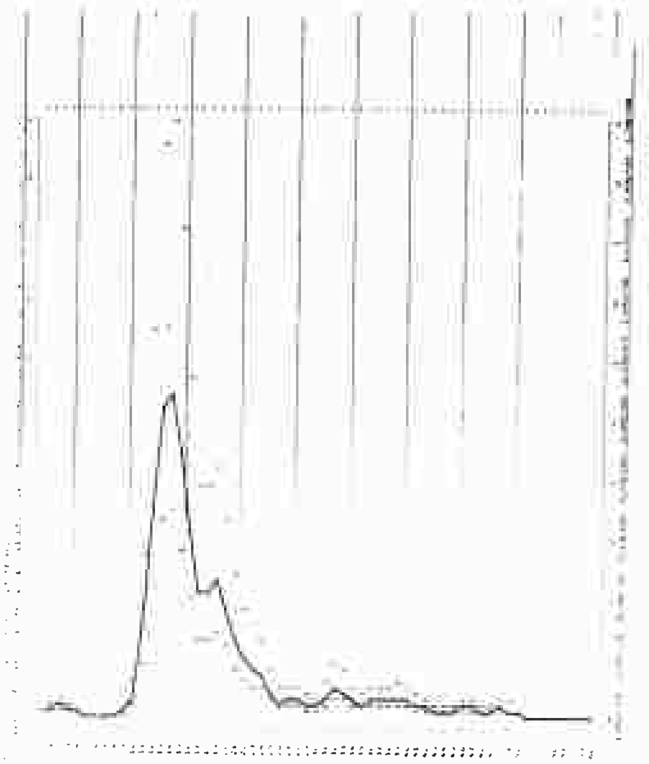
[illegible]



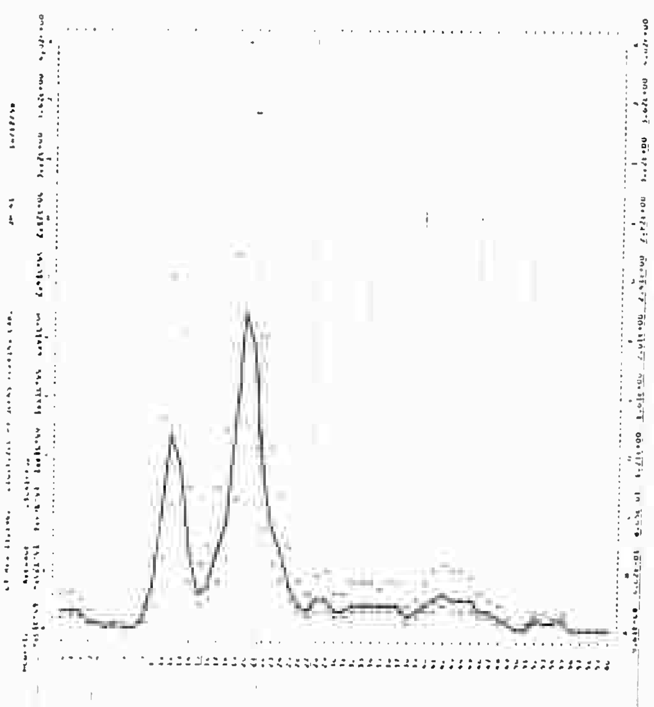
SPECTRA HINDCASTING OCTOBER 11,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/ 1/59   AV. TO = [illegible]   RECORD = [illegible]
NCCA = 1   SIG.HGT. = 16.1
TOTAL OF [illegible]   CORR. VAR. = 16.1
NOISE LEVEL = .0066   WIND SPEED = 20

N	FREQ.	UNFILT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0638	.0618	.0170	.0170	.0682	.0236
1	.000	.0574	.0574	.0505	.0505	.0431	.0322
2	.011	.0665	.0665	.0547	.0547	.1100	.0180
3	.017	.0512	.0512	.0466	.0466	.0814	.0283
4	[illegible]	[illegible]	.0364	.0236	.0236	.0436	.0150
5	[illegible]	[illegible]	.0156	.0087	.0087	.0161	.0056
6	[illegible]	[illegible]	.0055	.0027	.0063	.0074	.0047
7	[illegible]	[illegible]	.0140	.0072	.0095	.0175	.0061
8	[illegible]	[illegible]	.0151	.0041	.0048	.0181	.0063
9	[illegible]	[illegible]	.0704	.0216	.0235	.0441	.0152



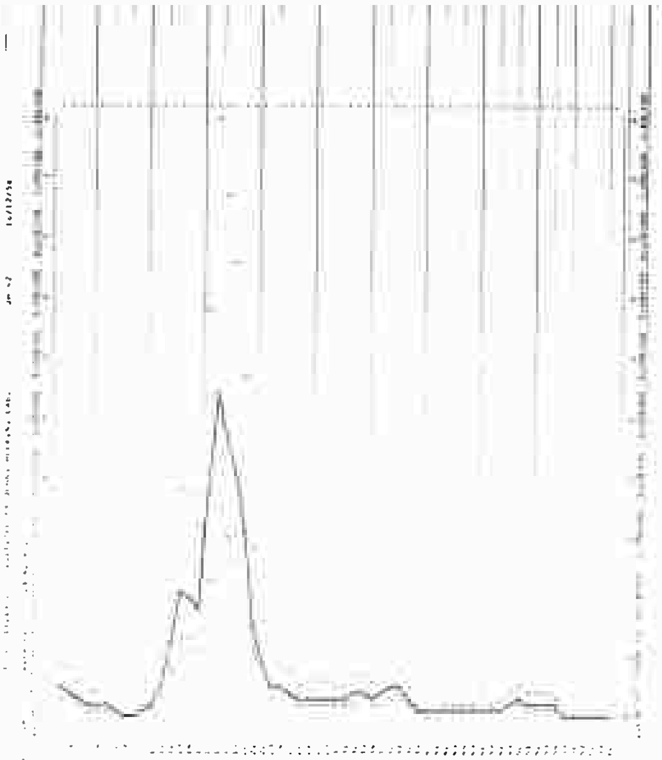
SPECTRA HINDCASTING OCTOBER [illegible]   DIGITIZED BY JOHNS HOPKINS LAB.



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/56 AV. T= 8.1 RECORD = JH 42
HOUR = 18 SIG.HGT. = 22.9
TOTAL DF =155 CORR. VAR. = 32.7
NOISE LEVEL = .0193 WIND SPEED = 40

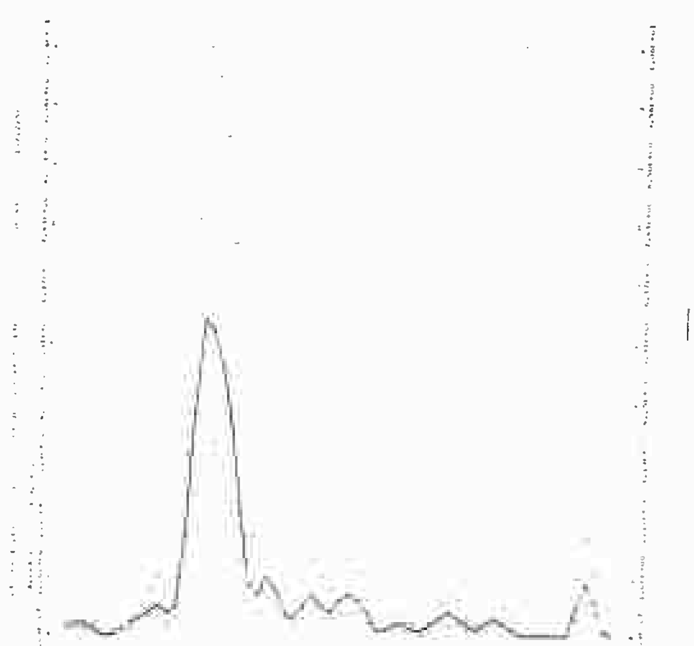
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4213	.4213	.4020	.4020	.7410	.2360
1	.006	.3673	.3673	.3480	.3480	.6415	.2216
2	.011	.2540	.2540	.2348	.2348	.4327	.1445
3	.017	.1882	.1882	.1685	.1685	.3113	.1076
4	.022	.1902	.1902	.1710	.1710	.3151	.1069
5	.028	.1443	.1443	.1251	.1251	.2305	.0796
6	.033	.0573	.0573	.0380	.0599	.1104	.0381
7	.039	.0261	.0261	.0069	.0091	.0168	.0058
8	.044	.0334	.0334	.0142	.0169	.0311	.0107
9	.050	.0831	.0831	.0638	.0708	.1306	.0451
10	.056	.1744	.1744	.1552	.1649	.3040	.1050
11	.061	.4211	.4211	.4019	.4176	.7685	.2655
12	.067	.9618	.9618	.9426	.9668	1.7820	.6156
13	.072	1.5855	1.5855	1.5663	1.6076	2.9620	1.0232
14	.078	1.5423	1.5423	1.5231	1.5764	2.9055	1.0037
15	.083	1.3317	1.3317	1.3125	1.3795	2.5434	.8787
16	.089	2.7284	2.7284	2.7092	2.8806	5.3094	1.8342
17	.094	3.8703	3.8703	3.8510	4.2492	7.8319	2.7056
18	.100	3.2841	3.2841	3.2648	3.7166	6.8503	2.3665
19	.106	2.7725	2.7725	2.7532	3.2902	5.9405	2.0495
20	.111	1.9905	1.9905	1.9712	2.4207	4.4616	1.5411
21	.117	.9635	.9635	.9442	1.2162	2.2360	.7766
22	.122	.5181	.5181	.4988	.6496	1.2342	.4264
23	.128	.3224	.3224	.3032	.4276	.7882	.2723
24	.133	.2702	.2702	.2509	.3734	.6878	.2376
25	.139	.2230	.2230	.2037	.3204	.5906	.2040
26	.144	.1495	.1495	.1301	.2176	.4006	.1386
27	.150	.1560	.1560	.1307	.2319	.4274	.1476
28	.156	.1558	.1558	.1366	.2503	.4702	.1665
29	.161	.1378	.1378	.1185	.2347	[illegible]	.1527
30	.167	.1256	.1256	.1062	.2306	.4767	.1467
31	.172	.1184	.1184	.0992	.2313	.4262	.1472
32	.178	.1331	.1331	.1139	.2844	.5241	.1825
33	.183	.1365	.1365	.1172	.3186	.5872	.2024
34	.189	.1076	.1076	.0882	.2599	.4790	.1655
35	.194	.1075	.1075	.0881	.2826	[illegible]	.1800
36	.200	.1249	.1249	.1137	.3962	.7114	.2454
37	.206	.1139	.1139	.0946	.3605	.6645	.2295
38	.211	[illegible]	[illegible]	.0567	.2113	[illegible]	[illegible]
39	.217	.0302	.0302	.0109	.0866	.1596	.0551
40	.222	.0284	.0284	.0092	.0412	[illegible]	[illegible]
41	.228	.0240	[illegible]	.0102	.0966	[illegible]	[illegible]
42	.233	[illegible]	.0317	.0121	.0741	.1367	.0473
43	.239	.0324	.0324	.0131	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	.0318	.0126	.0851	.1756	[illegible]
45	.250	[illegible]	.0317	.0126	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	.0309	.0117	.1100	.2028	.0701
47	.261	.0251	.0276	.0083	.0883	.1627	.0562
48	.267	.0277	[illegible]	.0092	[illegible]	.2306	.0841
49	.272	.0360	.0331	.0139	[illegible]	[illegible]	[illegible]
50	.278	.0331	.0328	.0136	[illegible]	[illegible]	[illegible]
51	.283	.0276	.0291	.0098	.0677	[illegible]	[illegible]
52	.289	.0288	.0281	.0088	.0711	[illegible]	[illegible]
53	.294	.0288	.0276	.0084	[illegible]	[illegible]	[illegible]
54	.300	.0263	.0263	.0050	.0705	[illegible]	[illegible]
55	.306	[illegible]	.0199	.0006	.0107	[illegible]	[illegible]
56	.311	.0142	.0147	.0000	.0000	[illegible]	[illegible]
57	.317	.0144	.0169	.0000	.0000	[illegible]	[illegible]
58	.322	.0104	.0160	.0000	.0000	.0000	.0000
59	.328	.0134	.0129	[illegible]	.0000	.0000	[illegible]
60	.333	.0144	.0142	[illegible]	.0000	.0000	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/56 AV. T= [illegible] RECORD = JH 42
HOUR = [illegible] SIG.HGT. = [illegible]
TOTAL DF =153 CORR. VAR. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

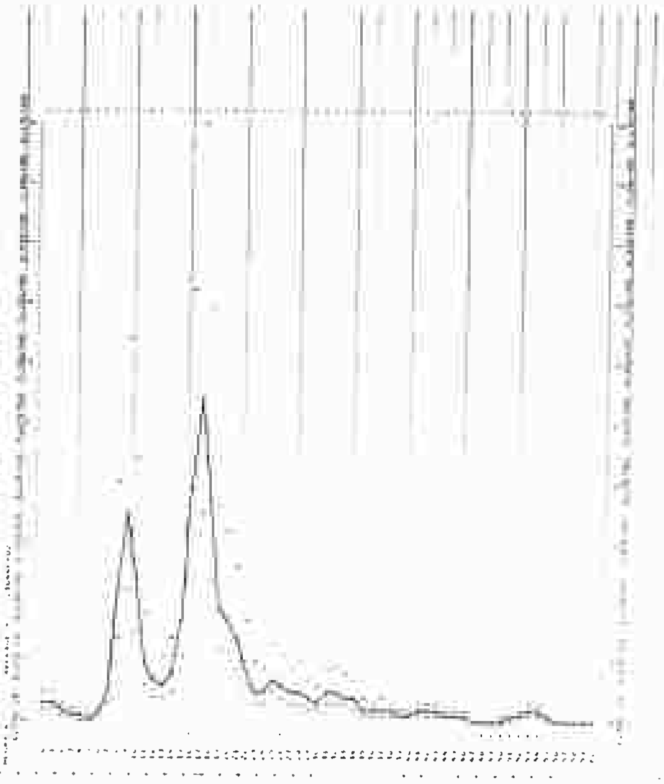
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 19/12/58 AV. T= 8.6 RECORD = JH 66
HOUR = 6 SIG.HGT. = 23.4
TOTAL OF =171 CORR. VAR. = 34.1
NOISE LEVEL = .0245 WIND SPEED = 25

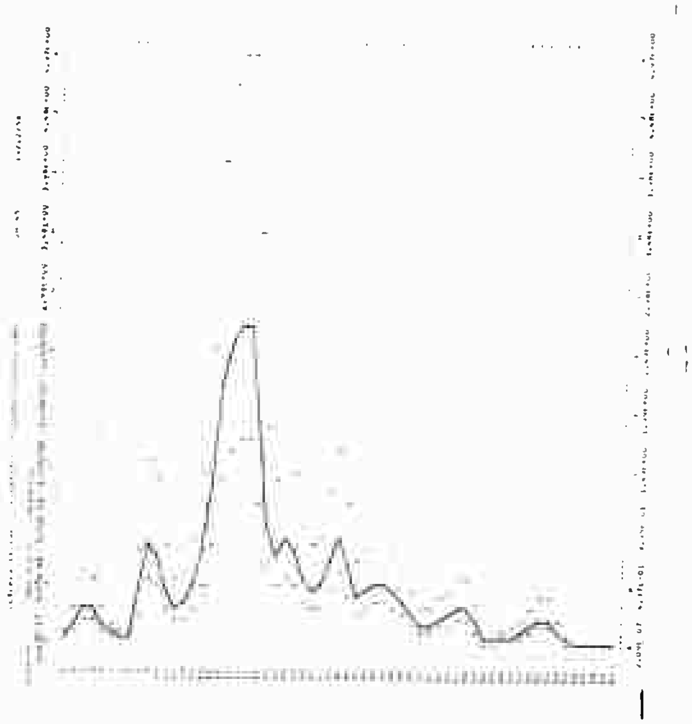
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2355	.2355	.2110	.2110	.3889	.1343
1	.006	.2291	.2291	.2046	.2046	.3772	.1303
2	.011	.1778	.1778	.1533	.1533	.2825	.0976
3	.017	.1045	.1045	.0800	.0800	.1474	.0509
4	.022	.0654	.0654	.0409	.0409	.0754	.0260
5	.028	.0550	.0550	.0306	.0306	.0563	.0195
6	.033	.0736	.0736	.0491	.0774	.1426	.0493
7	.039	.3221	.3221	.2976	.3951	.7283	.2516
8	.044	1.5080	1.5080	1.4835	1.7666	3.2561	1.1249
9	.050	2.5879	2.5879	2.5635	2.8432	5.2441	1.8116
10	.056	1.8507	1.8507	1.8262	1.9413	3.5780	1.2361
11	.061	.7843	.7843	.7598	.7883	1.4530	.5020
12	.067	.5590	.5590	.5345	.5482	1.0104	.3491
13	.072	.4902	.4902	.4657	.4778	.8807	.3042
14	.078	.6343	.6343	.6098	.6311	1.1633	.4019
15	.083	1.3709	1.3709	1.3464	1.4157	2.6093	.9014
16	.089	3.0370	3.0370	3.0125	3.2032	5.9040	2.0396
17	.094	4.6427	4.6427	4.6182	4.4337	8.1720	2.8231
18	.100	2.7151	2.7151	2.6906	3.0632	5.6460	1.9505
19	.106	1.3676	1.3676	1.3432	1.5856	2.9225	1.0096
20	.111	1.1771	1.1771	1.1527	1.4155	2.6089	.9011
21	.117	.9356	.9356	.9111	1.1678	2.1524	.7436
22	.122	.5868	.5868	.5623	.7548	1.3913	.4806
23	.128	.3335	.3335	.3090	.4359	.8035	.2776
24	.133	.3037	.3037	.2792	.4152	.7653	.2644
25	.139	.3940	.3940	.3696	.5816	1.0719	.3702
26	.144	.3284	.3284	.3039	.5070	.9345	.3228
27	.150	.2470	.2470	.2225	.3967	.7314	.2511
28	.156	.2604	.2604	.2359	.4462	.8224	.2841
29	.161	.1827	.1827	.1583	.3201	.5901	.2038
30	.167	.1518	.1518	.1273	.2761	.5091	.1759
31	.172	.1970	.1970	.1725	.4023	.7415	.2562
32	.178	.1760	.1760	.1515	.3812	.7027	.2427
33	.183	.1573	.1573	.1328	.3611	.6655	.2299
34	.189	.1327	.1327	.1082	.3191	.5881	.2032
35	.194	.0811	.0811	.0566	.1812	.3339	.1154
36	.200	.0599	.0599	.0354	.1236	.2278	.0787
37	.206	.0660	.0660	.0415	.1582	.2916	.1007
38	.211	.0586	.0586	.0341	.1423	.2622	.0906
39	.217	.0408	.0408	.0163	.0767	.1377	.0476
40	.222	.0395	.0395	.0150	.0757	.1395	.0482
41	.228	.0502	.0472	.0227	.1262	.2326	.0804
42	.233	.0508	.0488	.0243	.1494	.2754	.0951
43	.239	.0424	.0392	.0147	.1274	.2355	.0813
44	.244	.0368	.0372	.0127	.0965	.1778	.0614
45	.250	.0345	.0369	.0124	.1967	.1430	.0667
46	.256	.0354	.0318	.0073	.0878	.1614	.0557
47	.261	.0195	.0219	.0000	.0000	.0000	.0000
48	.267	.0195	.0210	.0000	.0000	.0000	.0000
49	.272	.0275	.0256	.0011	.0118	.0217	.0075
50	.278	.0262	.0264	.0019	.0371	.0684	.0236
51	.283	.0278	.0280	.0035	.0548	.1043	.0378
52	.289	.0310	.0301	.0056	.1092	.2013	.0696
53	.294	.0307	.0307	.0062	.1357	.2501	.0864
54	.300	.0318	.0302	.0057	.1440	.2655	.0917
55	.306	.0276	.0267	.0022	.0618	.1175	.0404
56	.311	.0198	.0211	.0000	.0000	.0000	.0000
57	.317	.0170	.0177	.0000	.0000	.0000	.0000
58	.322	.0153	.0164	.0000	.0000	.0000	.0000
59	.328	.0207	.0226	.0000	.0000	.0000	.0000
60	.333	.0211	.0215	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 19/12/58 AV. T= 7.2 RECORD = JH 65
HOUR = 12 SIG.HGT. = [illegible]
TOTAL OF =241 CORR. VAR. = 31.7
NOISE LEVEL = .0165 WIND SPEED = [illegible]

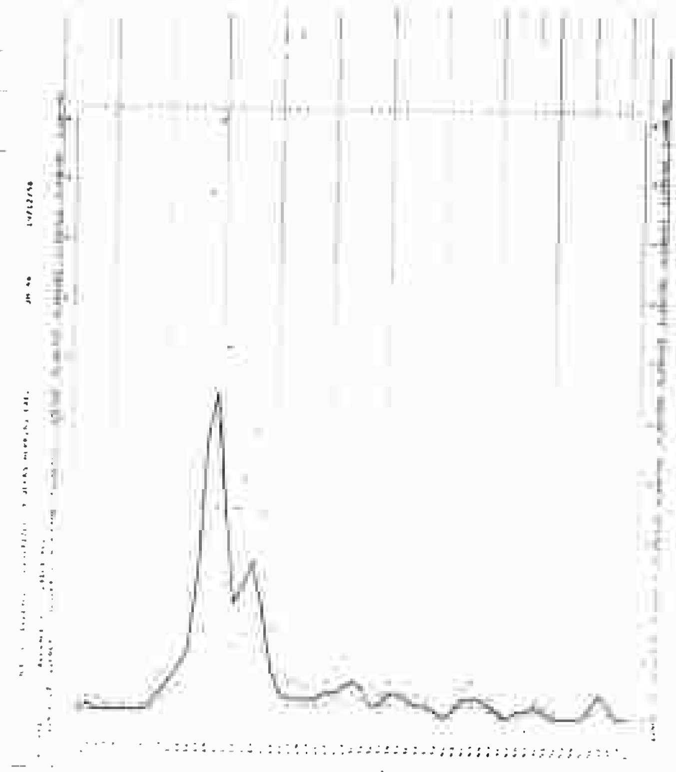
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	.3336	.3336	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	.2043	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	.7588	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



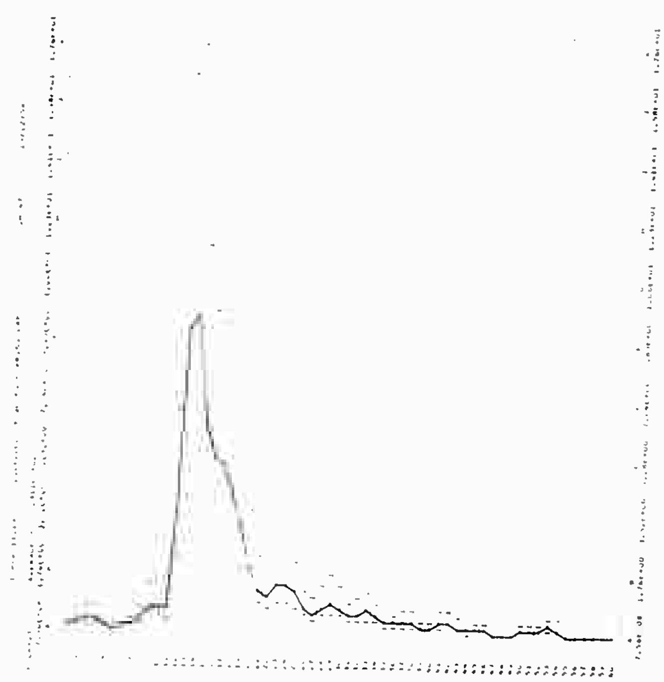
SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 AV. T= 8.1 RECORD = JH 46
HOUR = 16 SIG.HGT. = 31.7
TOTAL CF .4152 CORR. VAR. = 82.7
NOISE LEVEL = .0452 WIND SPEED = 30

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2374	.2374	.1921	.1921	.3541	.1273
1	.006	.2984	.2969	.2536	.2536	.4675	.1615
2	.011	.2694	.2694	.2442	.2442	.4501	.1555
3	.017	.2067	.2067	.1615	.1615	.2976	.1028
4	.022	.2010	.2010	.1558	.1550	.2871	.0942
5	.028	.1821	.1821	.1369	.1369	.2523	.0812
6	.033	.1216	.1216	.0761	.1206	.2211	.0764
7	.039	.1537	.1537	.1085	.1437	.2653	.0917
8	.044	.3411	.3411	.2560	.3525	.6498	.2245
9	.050	.6474	.6474	.6027	.6685	1.2324	.4259
10	.056	.9442	.9844	.9410	.9901	1.8347	.6355
11	.061	1.3246	1.3246	1.2743	1.2270	2.4464	.8651
12	.067	1.8143	1.8143	1.7641	1.8155	3.3444	1.1556
13	.072	3.7961	3.7961	3.7521	3.6505	7.0736	2.4517
14	.078	7.8576	7.8576	7.8123	7.8188	14.5217	4.6167
15	.083	6.6071	6.6071	6.5618	5.6014	10.5419	3.7519
16	.089	5.3264	5.3264	5.2817	5.0186	10.1512	1.5760
17	.094	[illegible]	[illegible]	2.8862	3.1756	5.8698	2.0278
18	.100	3.2310	3.2310	3.1844	3.6276	6.4862	2.3098
19	.106	3.6435	3.6435	3.6483	4.3C08	7.9381	2.7431



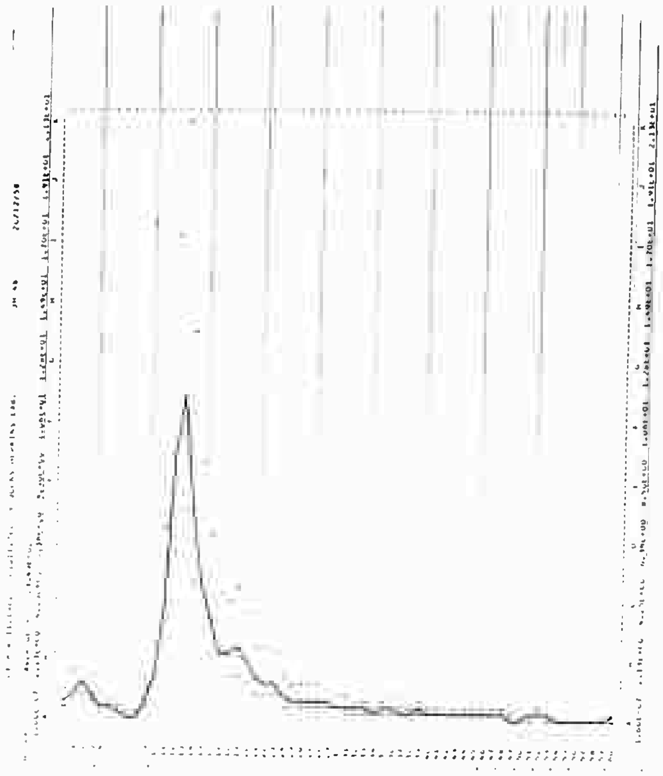
SPECTRA HINDCASTING [illegible] DIGITIZED BY JOHNS HOPKINS LAB.



SPECTRA HINDCASTING OCTOBER 11,1967 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/56 AV. T = 9.5 RECORD = JM 48
HOUR = 0 SIG.HGT. = 31.7
TOTAL OF =130 CONN. VAR. = 71.2
NOISE LEVEL = .0468 WIND SPEED = 40

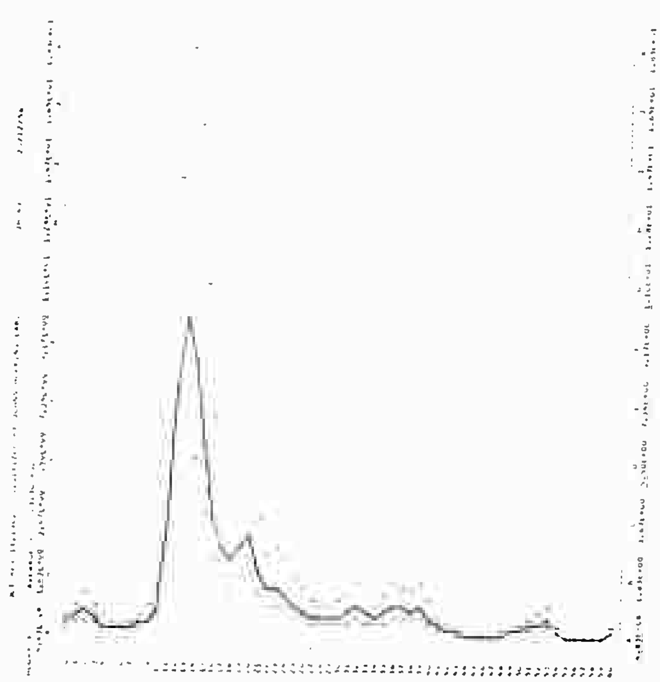
N	FREQ.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0662	.0662	.0194	.0194	1.1417	.3944
1	.006	.9292	.9292	.0824	.0824	1.6263	.5619
2	.011	1.2378	1.2378	1.1910	1.1910	2.1953	.7384
3	.017	.9031	.9031	.8564	.8564	1.5784	.5453
4	.022	.4462	.4462	.4394	.4314	.6099	.2748
5	.028	.3933	.3933	.3465	.3465	.6386	.2206
6	.033	.1976	.1976	.1507	.1176	.4375	.1512
7	.039	.1089	.1089	.0621	.0625	.1520	.0545
8	.044	.1005	.1005	.0537	.0846	.1180	.0607
9	.050	.5496	.5496	.5028	.5521	1.0289	.3554
10	.056	1.4636	1.4636	1.4169	1.2601	2.7760	.9940
11	.061	3.6344	3.6344	3.5876	3.2222	6.0605	2.3760
12	.067	9.1350	9.1350	9.0881	9.3219	17.1816	5.9356
13	.072	11.2840	11.2840	11.2372	11.5244	21.2504	7.3612
14	.078	7.3161	7.3161	7.2693	7.5217	13.8674	4.7967
15	.083	6.7115	6.7115	6.6648	6.4043	9.6398	3.1269
16	.089	3.4546	3.4546	3.4078	3.6715	6.6787	2.3072
17	.094	2.2220	2.2220	2.1752	2.4564	4.4210	1.5261
18	.100	2.1111	2.1111	2.0643	2.6506	4.3314	1.4964
19	.106	2.1655	2.1655	2.1190	2.5012	4.0101	1.5922
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1967 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/56 RECORD = JM 48
HOUR = 3

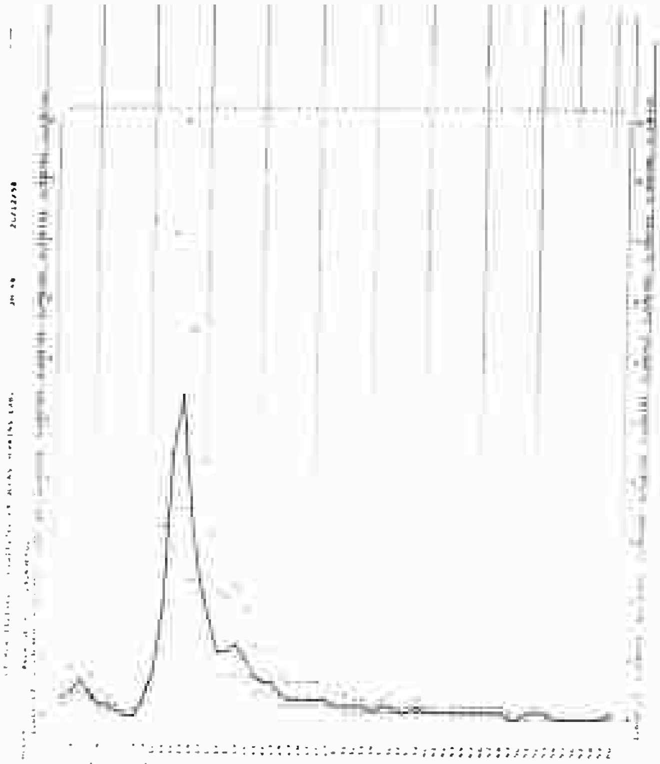
N	FREQ.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/56 AV. T= 9.5 RECORD = JH 48
HOUR = 0 SIG.HGT. = 33.7
TOTAL DF =138 CORR. FAC. = 71.2
NOISE LEVEL = .0468 WIND SPEED = 40

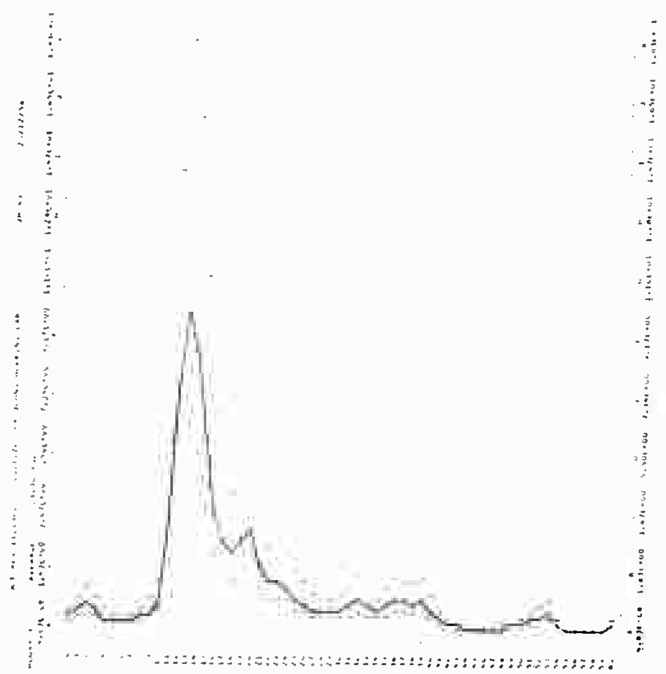
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6662	.6662	.6194	.6194	1.1417	.3944
1	.006	.9292	.9212	.8824	.8824	1.6269	.5619
2	.011	1.2378	1.2378	1.1510	1.1912	2.1953	.7564
3	.017	.9031	.9031	.8564	.8564	1.5784	.5453
4	.022	.4862	.4862	.4396	.4344	.8099	.2748
5	.028	.3913	.3913	.3465	.3465	.6386	.2206
6	.033	.1974	.1974	.1507	.2374	.4375	.1512
7	.039	.1089	.1089	.0621	.0825	.1520	.0525
8	.044	.1005	.1005	.0537	.0446	.1180	.0467
9	.050	.5446	.5446	.5026	.5561	1.0280	.3554
10	.056	1.4636	1.4636	1.4169	1.5601	2.7760	.9540
11	.061	3.6344	3.6344	3.5876	3.7222	6.8605	2.3700
12	.067	9.1350	9.1350	9.0843	9.3219	17.1816	5.9356
13	.072	11.2840	11.2840	11.2372	11.5294	21.2504	7.3412
14	.078	7.3161	7.3161	7.2693	7.5217	13.8674	4.7907
15	.083	4.7115	4.7115	4.6648	4.8045	9.0398	3.1249
16	.089	3.4546	3.4546	3.4078	3.6215	6.6787	2.3072
17	.094	2.2220	2.2220	2.1752	2.4562	4.5238	1.5263
18	.100	2.1111	2.1111	2.0643	2.3500	4.3314	1.4964
19	.106	2.1655	2.1655	2.1188	2.5012	4.6101	1.5926
20	.111	1.7444	1.7444	1.6976	2.0857	3.8424	1.3274
21	.117	1.1527	1.1529	1.1061	1.4177	2.6131	.9027
22	.122	1.0645	1.0645	1.0178	1.3661	2.5182	.8700
23	.128	.9811	.9811	.9343	1.3207	2.4342	.8409
24	.133	.5976	.5976	.5508	.8141	1.5048	.5216
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA WIND CASTING [illegible] DIGITIZED BY JOHNS HOPKINS LAB

DATE = [illegible] RECORD = JH [illegible]
HOUR = [illegible] SIG.HGT. = [illegible]
TOTAL DF [illegible] CORR. FAC. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

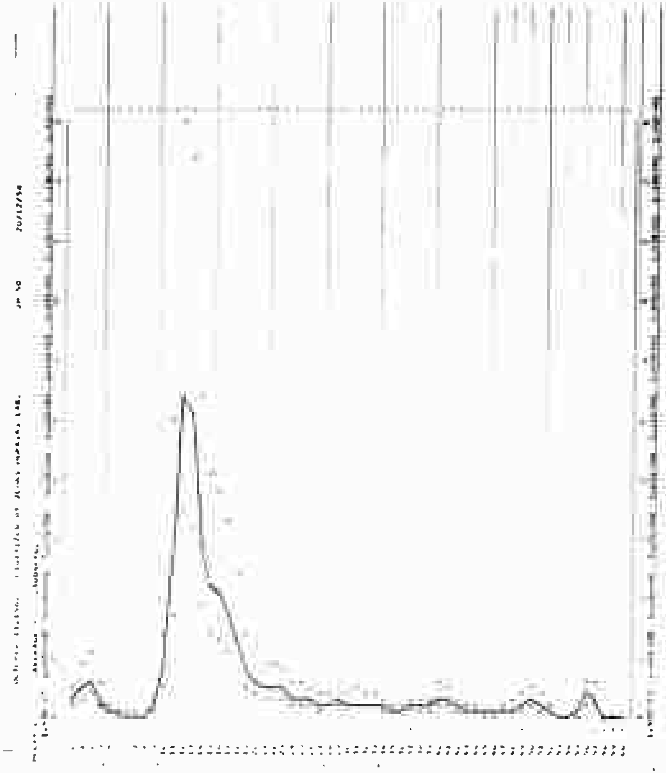
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T = 6.5 RECORD = JH 50
HOUR = 6 SIG.HGT. = 37.7
TOTAL OF [illegible] CURR. VAR. = 86.1
NOISE LEVEL = .0756 WIND SPEED = 50

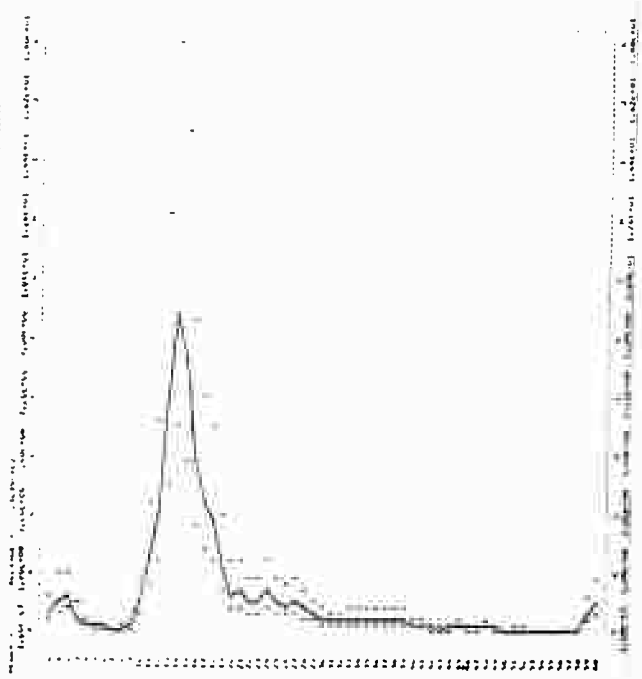
N	FREQ.	UNIT/FT.2	FILTERED	LESS NOISE	CONF.FT.2	UPPER	LOWER
0	.000	.7442	.7442	.6686	.6686	1.2323	.4257
1	.006	1.2392	1.2392	1.1636	1.1636	2.1667	.7605
2	.011	1.5378	1.5378	1.4622	1.4622	2.6490	.9310
3	.017	.8940	.8940	.8184	.8184	1.5085	.5211
4	.022	.3545	.3545	.2789	.2789	.5141	.1776
5	.028	.2306	.2306	.1550	.1550	.2856	.0987
6	.033	.1478	.1478	.0722	.1138	.2098	.0725
7	.039	.1333	.1333	.0577	.0766	.1413	.0488
8	.044	.1086	.1086	.0331	.0344	.0725	.0251
9	.050	.4593	.4593	.3837	.4253	.7859	.2712
10	.056	1.7925	1.7925	1.7169	1.8250	3.3638	1.1621
11	.061	6.4369	6.4369	6.3593	6.5978	12.1607	4.2011
12	.067	12.8656	12.8656	12.7900	13.1187	24.1798	8.3532
13	.072	12.0870	12.0870	12.0115	12.3237	22.7155	7.8470
14	.078	6.9201	6.9201	6.8445	7.0861	13.0570	4.5107
15	.083	5.2424	5.2424	5.1669	5.4550	10.0185	3.4416
16	.089	4.7423	4.7423	4.6667	4.9621	9.1460	3.1596
17	.094	3.9867	3.9867	3.9111	4.2155	7.9561	2.7478
18	.100	2.7978	2.7978	2.7222	3.0981	5.7117	1.9732
19	.106	1.8800	1.8800	1.8035	1.8947	3.4922	1.2064
20	.111	1.3505	1.3505	1.2749	1.3656	2.4856	.8969
21	.117	1.0466	1.0466	.8704	1.2438	2.2925	.7920
22	.122	.9470	.9470	.8714	1.1648	2.1561	.7449
23	.128	.4552	.4552	.7796	1.0996	2.0267	.7002
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = [illegible] AV. T = [illegible] RECORD = [illegible]
HOUR = [illegible] SIG.HGT. = [illegible]
TOTAL OF [illegible] CURR. VAR. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = 50

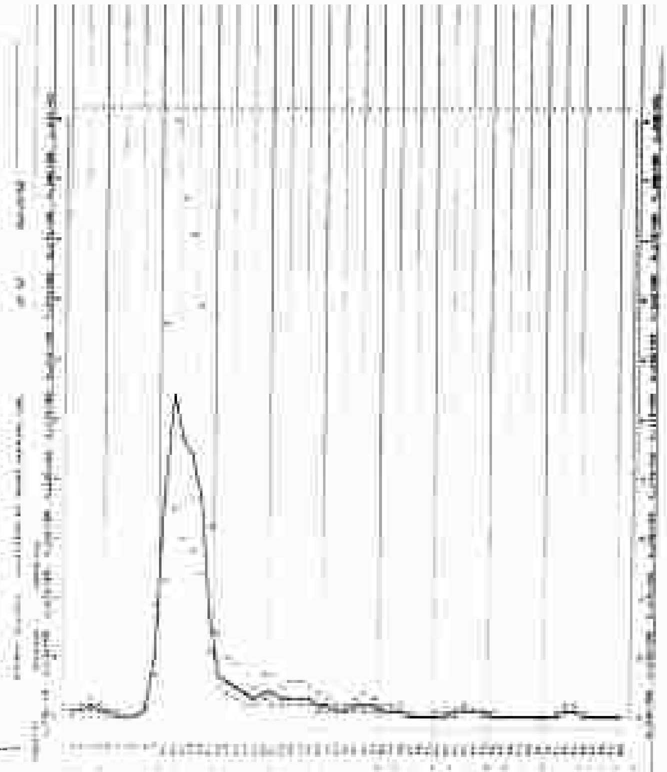
N	FREQ.	UNIT/FT.2	FILTERED	LESS NOISE	CONF.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= 10.9 RECORD = JH 52
HOUR = 15 SIG.HGT. = 23.0
TOTAL DF = 98 CORR. VAR. = 33.0
NOISE LEVEL = .0170 WIND SPEED = 45

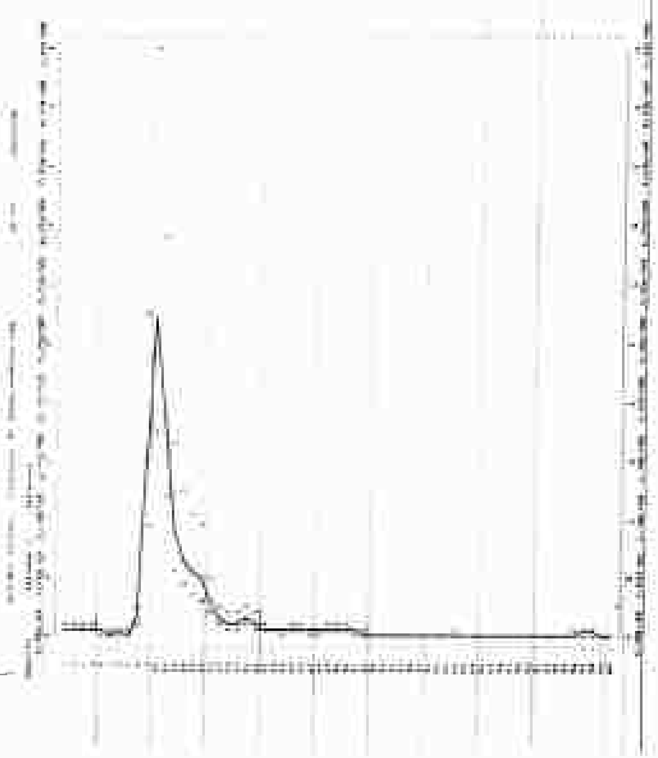
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0877	.0877	.0707	.0707	.1103	.0450
1	.006	.1370	.1370	.1200	.1200	.2213	.0764
2	.011	.1861	.1861	.1691	.1691	.3117	.1077
3	.017	.1453	.1453	.1283	.1283	.2365	.0817
4	.022	.0851	.0851	.0681	.0681	.1255	.0433
5	.028	.0492	.0492	.0322	.0322	.0593	.0205
6	.033	.0315	.0315	.0145	.0229	.0422	.0146
7	.039	.0209	.0209	.0039	.0052	.0096	.0033
8	.044	.1336	.1336	.1166	.1389	.2560	.0884
9	.050	.9774	.9774	.9604	1.0859	1.9966	.6797
10	.056	3.5251	3.5251	3.5081	3.7291	6.8733	2.3745
11	.061	5.4231	5.4231	5.4061	5.6081	10.3379	3.5716
12	.067	4.7656	4.7656	4.7486	4.8700	8.9773	3.1013
13	.072	4.4344	4.4344	4.4174	4.5321	8.3537	2.8859
14	.078	3.7325	3.7325	3.7155	3.8456	7.0880	2.4486
15	.083	1.7218	1.7218	1.7048	1.7924	3.3037	1.1413
16	.089	.7403	.7403	.7233	.7691	1.4173	.4897
17	.094	.5458	.5458	.5288	.5814	1.0733	.3719
18	.100	.4363	.4363	.4193	.4774	.8799	.3040
19	.106	.3419	.3419	.3249	.3835	.7069	.2442
20	.111	.2642	.2642	.2472	.3035	.5594	.1933
21	.117	.3367	.3367	.3197	.4098	.7553	.2609
22	.122	.2979	.2979	.2809	.3771	.6951	.2401
23	.128	.2170	.2170	.2000	.2821	.5200	.1796
24	.133	.2481	.2481	.2311	.3436	.6334	.2188
25	.139	.2358	.2358	.2188	.3443	.6345	.2192
26	.144	.1772	.1772	.1602	.2672	.4926	.1702
27	.150	.1513	.1513	.1343	.2383	.4392	.1517
28	.156	.1159	.1159	.0989	.1871	.3448	.1191
29	.161	.0743	.0743	.0573	.1160	.2137	.0738
30	.167	.0645	.0645	.0475	.1026	.1891	.0653
31	.172	.0871	.0871	.0701	.1634	.3011	.1040
32	.178	.0951	.0951	.0781	.1966	.3624	.1252
33	.183	.0748	.0748	.0578	.1570	.2894	.1000
34	.189	.0500	.0500	.0330	.0977	.1791	.0619
35	.194	.0440	.0440	.0270	.0865	.1594	.0551
36	.200	.0464	.0464	.0294	.1027	.1892	.0654
37	.206	.0298	.0298	.0128	.0487	.0898	.0310
38	.211	.0191	.0191	.0021	.0088	.0166	.0057
39	.217	.0222	.0222	.0052	.0239	.0440	.0152
40	.222	.0227	.0227	.0057	.0284	.0533	.0184
41	.228	.0259	.0262	.0092	.0510	.0940	.0325
42	.233	.0322	.0302	.0132	.0812	.1496	.0517
43	.239	.0310	.0305	.0135	.0923	.1702	.0588
44	.244	.0277	.0280	.0110	.0832	.1533	.0530
45	.250	.0265	.0256	.0086	.0721	.1332	.0460
46	.256	.0218	.0215	.0045	.0426	.0785	.0271
47	.261	.0146	.0159	.0000	.0000	.0000	.0000
48	.267	.0112	.0125	.0000	.0000	.0000	.0000
49	.272	.0130	.0129	.0000	.0000	.0000	.0000
50	.278	.0142	.0146	.0000	.0000	.0000	.0000
51	.283	.0173	.0169	.0000	.0000	.0000	.0000
52	.289	.0188	.0184	.0014	.0280	.0516	.0178
53	.294	.0174	.0186	.0016	.0358	.0659	.0228
54	.300	.0222	.0208	.0038	.0963	.1774	.0613
55	.306	.0231	.0216	.0046	.1317	.2428	.0839
56	.311	.0172	.0180	.0010	.0343	.0633	.0218
57	.317	.0140	.0147	.0000	.0000	.0000	.0000
58	.322	.0133	.0136	.0000	.0000	.0000	.0000
59	.328	.0133	.0133	.0000	.0000	.0000	.0000
60	.333	.0140	.0138	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= [illegible] RECORD = JH 53
HOUR = 21 SIG.HGT. = 18.[illegible]
TOTAL DF = 78 CORR. VAR. = [illegible]
NOISE LEVEL = .0[illegible] WIND SPEED = 45

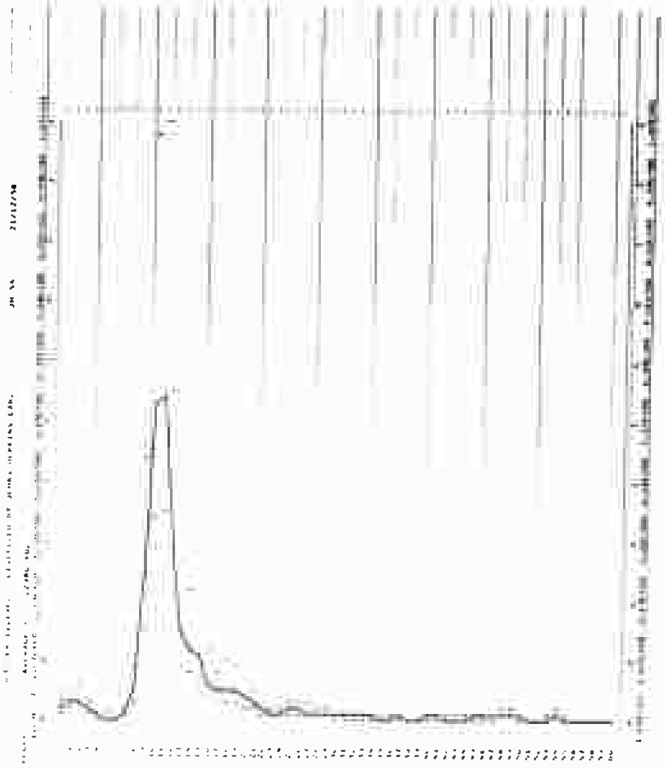
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1085	.1085	.1018	.1018	.1876	.0648
1	.006	.1124	.1124	[illegible]	.1292	[illegible]	.0676
2	.011	.1184	.1184	.1117	.1117	[illegible]	.0711
3	.017	.1352	.1352	[illegible]	[illegible]	[illegible]	.0849
4	.022	.0845	.0845	.0777	.0777	.1432	.0495
5	.028	.0451	.0451	[illegible]	[illegible]	[illegible]	.0213
6	.033	.0420	.0420	.0353	.0556	.1024	.0354
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	.2157	.2157	.2090	[illegible]	.4984	.1964
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.8883
10	.056	5.0691	5.0691	5.0621	5.3812	9.9184	3.4264
11	.061	3.5575	3.5575	3.5507	3.6820	[illegible]	[illegible]
12	.067	1.7436	1.7436	1.7369	1.7915	3.2056	1.1363
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.8444
14	.078	1.0961	1.0951	[illegible]	[illegible]	[illegible]	.7199
15	.083	.9877	.9877	[illegible]	[illegible]	1.0621	.6668
16	.089	.5255	.5255	.5187	.5516	1.0166	.3512
17	.094	.2543	.2543	[illegible]	[illegible]	.5035	[illegible]
18	.100	.1867	.1867	[illegible]	[illegible]	.3668	.1260
19	.106	.1888	.1888	[illegible]	[illegible]	[illegible]	.1353
20	.111	[illegible]	.2433	.2365	[illegible]	[illegible]	.1850
21	.117	.1833	.1833	.1766	[illegible]	[illegible]	.1457
22	.122	.0980	.0980	[illegible]	[illegible]	.2250	.0780
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	.0520	[illegible]	[illegible]	[illegible]	.0420
25	.139	.0628	.0628	[illegible]	[illegible]	.1625	.0562
26	.144	.0576	.0576	[illegible]	[illegible]	.1566	.0540
27	.150	[illegible]	.0617	[illegible]	[illegible]	.1102	.0384
28	.156	[illegible]	.0420	[illegible]	[illegible]	.1272	.0445
29	.161	.0514	.0514	[illegible]	[illegible]	.1063	.0375
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0267
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0467
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0097
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0096
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0033
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	.0028	[illegible]	[illegible]	.0089
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0088
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0150
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0188
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	.0000	.0000	.0000	.0000
46	.256	[illegible]	[illegible]	.0000	.0000	.0000	.0000
47	.261	[illegible]	[illegible]	.0000	.0000	.0000	.0000
48	.267	[illegible]	.0061	.0000	.0000	.0000	.0000
49	.272	[illegible]	.0058	.0000	.0000	.0000	.0000
50	.278	[illegible]	.0070	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	.0064	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	.0056	[illegible]	[illegible]	.0000	.0000
53	.294	[illegible]	.0051	[illegible]	[illegible]	.0000	.0000
54	.300	[illegible]	.0065	[illegible]	[illegible]	.0000	.0000
55	.306	[illegible]	.0074	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	.0081	.0011	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	.0087	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	.0082	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	.0000	.0000
60	.333	[illegible]	[illegible]	.0000	[illegible]	.0000	.0000



SPECTRA WINDCASTING OCTOBER 31,1962   DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 21/12/58   AV. T= 11.3   RECORD = JM 54
HOUR = 0   SIG.HGT. = 21.5 ^
TOTAL DF = 89   CORR. VAR. = 28.4
NOISE LEVEL = .0121   WIND SPEED = 40

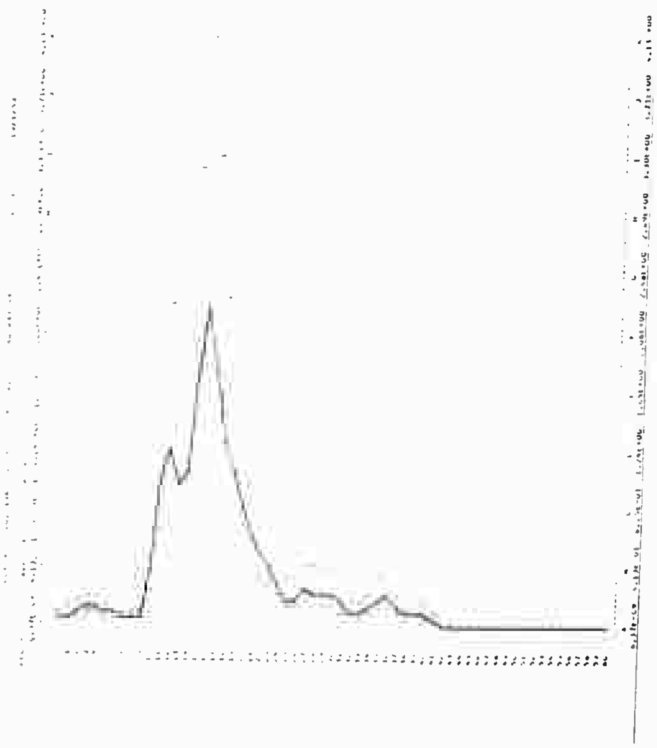
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1792	.1792	.1671	.1671	.3080	.1064
1	.006	.2913	.2913	.2792	.2792	.5167	.1771
2	.011	.3321	.3321	.3201	.3201	.5899	.2038
3	.017	.1884	.1884	.1763	.1763	.3249	.1122
4	.022	.0920	.0920	.0800	.0800	.1474	.0509
5	.028	.0509	.0509	.0389	.0389	.0716	.0247
6	.033	.0167	.0167	.0046	.0073	.0134	.0046
7	.039	.1095	.1095	.0974	.1243	.2301	.0823
8	.044	.4484	.4484	.4363	.5146	.9577	.3308
9	.050	2.2060	2.2060	2.1939	2.2481	4.0928	1.4212
10	.056	5.3655	5.3655	5.3534	5.6907	10.4488	3.6735
11	.061	5.5841	5.5841	5.5720	5.7010	10.6552	3.6810
12	.067	3.1260	3.1260	3.1140	3.1940	5.8870	2.0337
13	.072	1.3467	1.3467	1.3346	1.3745	2.4021	1.0026
14	.078	1.2482	1.2482	1.2361	1.2794	2.3581	.8146
15	.083	1.0912	1.0912	1.0791	1.1250	2.0912	.7269
16	.089	.6543	.6543	.6423	.6829	1.2587	.4346
17	.094	.4550	.4550	.4430	.4888	.9009	.3112
18	.100	.4970	.4970	.4849	.5520	1.0175	.3515
19	.105	.4525	.4525	.4404	.5159	.9502	.3311
20	.111	.3422	.3422	.3301	.4054	.7472	.2581
21	.117	.2249	.2249	.2128	.2748	.5067	.1737
22	.122	.1451	.1451	.1330	.1786	.3292	.1137
23	.128	.1003	.1003	.0882	.1244	.2292	.0792
24	.133	.0890	.0890	.0770	.1144	.2104	.0729
25	.139	.1145	.1145	.1024	.1612	.2970	.1026
26	.144	.1218	.1218	.1097	.1830	.3373	.1165
27	.150	.0968	.0968	.0847	.1502	.2769	.0957
28	.156	.0814	.0814	.0694	.1312	.2414	.0836
29	.161	.0668	.0668	.0548	.1108	.2042	.0705
30	.167	.0492	.0492	.0372	.0807	.1487	.0514
31	.172	.0383	.0383	.0262	.0611	.1126	.0389
32	.178	.0348	.0348	.0227	.0532	.0985	.0344
33	.183	.0366	.0366	.0245	.0667	.1229	.0425
34	.189	.0380	.0380	.0259	.0706	.1301	.0450
35	.194	.0229	.0229	.0109	.0348	.0641	.0221
36	.200	.0226	.0226	.0105	.0322	.0575	.0211
37	.206	.0270	.0270	.0149	.0586	.1067	.0362
38	.211	.0168	.0168	.0048	.0195	.0367	.0127
39	.217	.0183	.0183	.0063	.0287	.0528	.0182
40	.222	.0264	.0264	.0143	.0726	.1337	[illegible]
41	.228	.0245	.0238	.0117	.0451	.0866	.0314
42	.233	.0187	.0198	.0077	[illegible]	[illegible]	[illegible]
43	.239	.0139	.0173	.0053	.0354	[illegible]	.0224
44	.244	.0195	.0187	.0066	[illegible]	[illegible]	[illegible]
45	.250	.0207	.0199	.0078	[illegible]	[illegible]	[illegible]
46	.256	.0177	.0181	.0066	[illegible]	[illegible]	[illegible]
47	.261	.0183	.0187	.0066	[illegible]	[illegible]	.0447
48	.267	.0218	.0205	.0085	[illegible]	.1052	[illegible]
49	.272	.0215	.0203	.0082	[illegible]	[illegible]	[illegible]
50	.278	.0161	.0164	.0043	[illegible]	.1202	.0415
51	.283	.0102	.0119	.0000	.0000	.0000	.0000
52	.289	.0105	.0111	.0000	.0000	.0000	.0000
53	.294	.0147	.0138	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	.0171	.0157	.0036	[illegible]	[illegible]	[illegible]
55	.306	.0138	.0139	.0018	[illegible]	[illegible]	[illegible]
56	.311	.0095	.0109	.0000	.0000	.0000	.0000
57	.317	.0105	.0107	.0000	.0000	.0000	.0000
58	.322	.0136	.0122	.0002	[illegible]	[illegible]	[illegible]
59	.328	.0111	.0113	.0000	[illegible]	[illegible]	[illegible]
60	.333	.0074	.0091	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA WINDCASTING [illegible]

DATE = [illegible]   AV. T= [illegible]   RECORD = [illegible]
HOUR = [illegible]   SIG.HGT. = [illegible]
TOTAL DF = [illegible]   CORR. VAR. = [illegible]
NOISE LEVEL = [illegible]   WIND SPEED = [illegible]

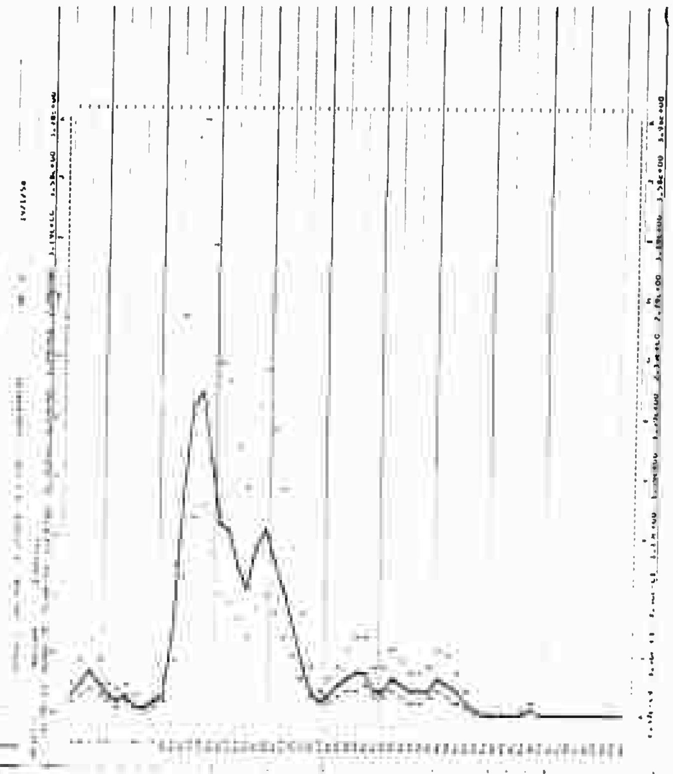
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 10, 196_, DIGITIZED BY DAVIDSON LABORATORY

DATE = 1//1/5_ AV. [illegible] RECORD = DL _
HEER = [illegible] SIG.HGT. = 10.0
TOTAL EF.[illegible] CORR. FAC. = [illegible]
NOISE LEVEL = .0057 WIND SPEED = 30

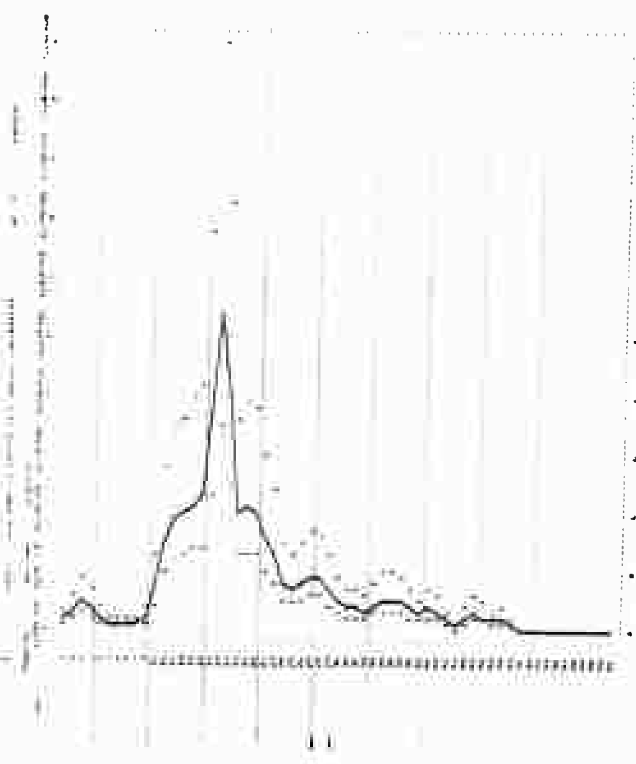
N	FREQ.	UNFILT..	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1073	.1073	.1017	.1017	.1676	.0667
1	.006	.1951	.1951	.1783	.1883	.3676	.1260
2	.011	.2040	.2040	[illegible]	[illegible]	.4776	.1690
3	.017	.1942	.1927	.1865	.1862	.2937	.1167
4	.022	.1074	.1074	.1017	.1017	.1874	.0667
5	.028	.0861	.0871	.0764	.0764	.1460	.0466
6	.033	.0713	.0713	.0656	.0656	.1454	.0675
7	.039	.0674	.0574	.0517	.0577	.1057	.0365
8	.044	.0275	.0275	.0218	.0276	.0901	.0173
9	.050	.0807	.0807	.0812	.0715	.1325	.0434
10	.056	.1251	.1251	.1194	.1161	.2504	.0867
11	.061	.0864	.0864	.0747	.0761	.1806	.0513
12	.067	1.1774	1.1772	1.1715	1.0983	2.1583	.9104

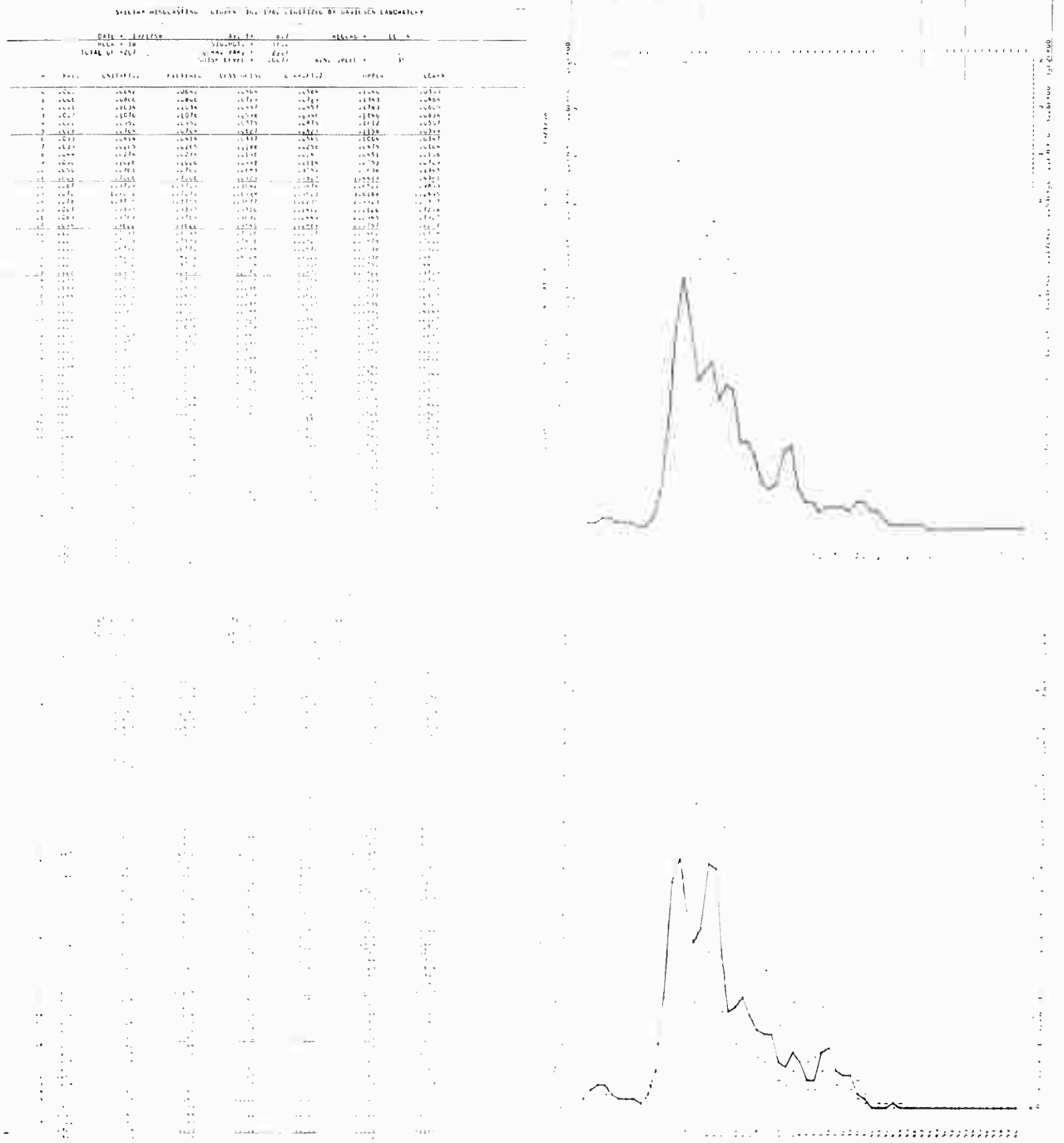


SPECTRA HINDCASTING OCTOBER [illegible] DIGITIZED BY DAVIDSON LABORATORY

DATE = 1//1/5_ [illegible] RECORD = [illegible]
[illegible] SIG.HGT. = [illegible]
TOTAL EF.[illegible] CORR. FAC. = [illegible]
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

N	FREQ.	UNFILT..	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

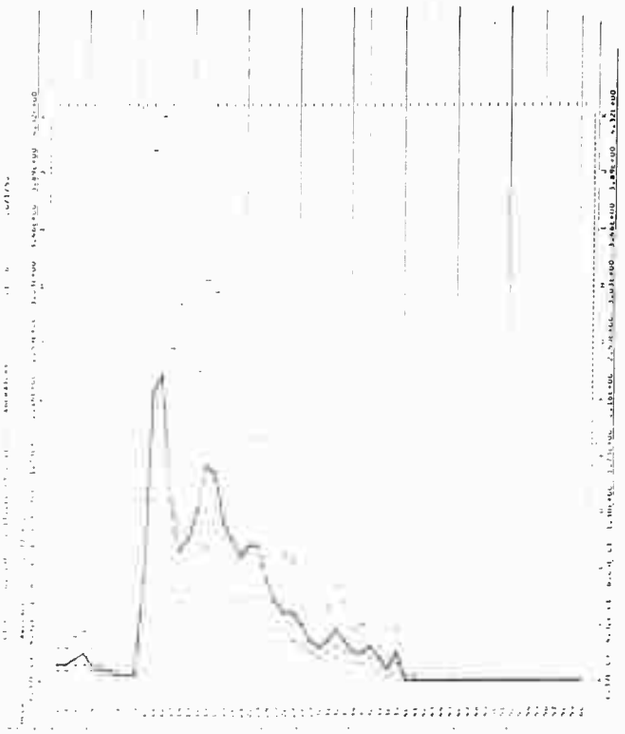


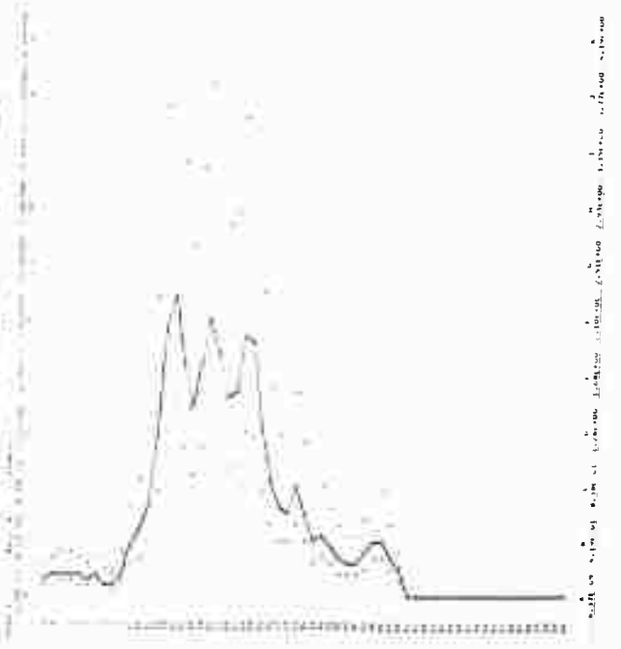


SPECTRA HEADCASTING OCTOBER 10, 1984 DIGITIZED BY DAVIDSON LABORATORY

Date = 10/15/84 Alt = n.a. Flight = EL 6
HOUR = 6 VIG.HGT. = 2000
TOTAL OF 7215 SOUND VEL. = 4512.
NOISE LEVEL = .0049 WIND SPEED = 35

n	FREQ.	UNIT-PT.Z	FILTERED	LESS NOISE	CORRECTED	UPPER	LOWER
0	.000	.1557	.1557	.1508	.1508	.2774	.0960
1	.004	.1989	.1989	.1939	.1939	.3593	.1238
2	.011	.1993	.1993	.1944	.1944	.3583	.1238
3	.015	.2229	.2229	.2177	.2177	.4013	.1306
4	.022	.1930	.1930	.1882	.1882	.3467	.0890
5	.026	.2743	.2743	.2694	.2694	.4871	.0976
6	.033	.6876	.6876	.6827	.6827	.1.1713	.0956
7	.037	.6933	.6933	.6882	.6882	.1.1826	.0937
8	.044	.6543	.6543	.6494	.6494	.1.1134	.0892
9	.026	.6933	.6933	.6567	.6567	.1.1826	.0936
10	.030	.6761	.6761	.6693	.6693	.1.1727	.0892
11	.041	1.7552	1.7552	1.7504	1.7504	2.9388	1.2919
12	.047	2.0726	2.0726	2.0677	2.0677	3.4733	1.4834
13	.055	1.6414	1.6414	1.6366	1.6366	2.7457	.9874
14	.058	.8263	.8263	.8214	.8214	1.3796	.4853
15	.063	.8571	.8571	.8522	.8522	1.4309	.4755
16	.069	1.1819	1.1819	1.1770	1.1770	1.9855	.6741
17	.074	1.4344	1.4344	1.4295	1.4295	2.4054	.8571
18	.080	1.1343	1.1343	1.1295	1.1295	1.8921	.6710
19	.085	.8174	.8174	.8125	1.3634	2.0892	.3935
20	.091	.6869	.6869	.6820	1.1439	1.7356	.6484
21	.097	.5571	.5571	.5522	.9261	1.3775	.5313
22	.102	.5467	.5467	.5418	.9088	1.3483	.5404
23	.108	.5244	.5244	.5195	.8715	1.3745	.4963
24	.113	.5567	.5567	.5518	.9261	1.3775	.5313
25	.119	.6517	.6517	.6468	1.0851	1.6132	.3935
26	.124	.7869	.7869	.7820	1.3121	1.9437	.4853
27	.130	.8571	.8571	.8522	1.4309	2.1221	.5313
28	.136	.8174	.8174	.8125	1.3634	2.0219	.4853
29	.141	.7869	.7869	.7820	1.3121	1.9437	.4853
30	.147	.7722	.7722	.7673	1.2876	1.9072	.4755
31	.152	.8174	.8174	.8125	1.3634	2.0219	.4853
32	.158	.8869	.8869	.8820	1.4801	2.1948	.5313
33	.163	.9396	.9396	.9347	1.5683	2.3255	.5584
34	.169	.9553	.9553	.9504	1.5945	2.3643	.5664
35	.174	.9396	.9396	.9347	1.5683	2.3255	.5584
36	.180	.9553	.9553	.9504	1.5945	2.3643	.5664
37	.185	.9396	.9396	.9347	1.5683	2.3255	.5584
38	.191	.9553	.9553	.9504	1.5945	2.3643	.5664
39	.196	.9396	.9396	.9347	1.5683	2.3255	.5584
40	.202	.9553	.9553	.9504	1.5945	2.3643	.5664
41	.207	.9396	.9396	.9347	1.5683	2.3255	.5584
42	.213	.9553	.9553	.9504	1.5945	2.3643	.5664
43	.218	.9396	.9396	.9347	1.5683	2.3255	.5584
44	.224	.9553	.9553	.9504	1.5945	2.3643	.5664
45	.229	.9396	.9396	.9347	1.5683	2.3255	.5584
46	.235	.9553	.9553	.9504	1.5945	2.3643	.5664
47	.241	.9396	.9396	.9347	1.5683	2.3255	.5584
48	.246	.9553	.9553	.9504	1.5945	2.3643	.5664
49	.252	.9396	.9396	.9347	1.5683	2.3255	.5584
50	.257	.9553	.9553	.9504	1.5945	2.3643	.5664
51	.263	.9396	.9396	.9347	1.5683	2.3255	.5584
52	.268	.9553	.9553	.9504	1.5945	2.3643	.5664
53	.274	.9396	.9396	.9347	1.5683	2.3255	.5584
54	.279	.9553	.9553	.9504	1.5945	2.3643	.5664
55	.285	.9396	.9396	.9347	1.5683	2.3255	.5584
56	.290	.9553	.9553	.9504	1.5945	2.3643	.5664
57	.296	.9396	.9396	.9347	1.5683	2.3255	.5584
58	.301	.9553	.9553	.9504	1.5945	2.3643	.5664
59	.307	.9396	.9396	.9347	1.5683	2.3255	.5584
60	.312	.9553	.9553	.9504	1.5945	2.3643	.5664
61	.318	.9396	.9396	.9347	1.5683	2.3255	.5584
62	.323	.9553	.9553	.9504	1.5945	2.3643	.5664
63	.329	.9396	.9396	.9347	1.5683	2.3255	.5584
64	.335	.9553	.9553	.9504	1.5945	2.3643	.5664
65	.340	.9396	.9396	.9347	1.5683	2.3255	.5584
66	.346	.9553	.9553	.9504	1.5945	2.3643	.5664
67	.351	.9396	.9396	.9347	1.5683	2.3255	.5584
68	.357	.9553	.9553	.9504	1.5945	2.3643	.5664
69	.362	.9396	.9396	.9347	1.5683	2.3255	.5584
70	.368	.9553	.9553	.9504	1.5945	2.3643	.5664
71	.373	.9396	.9396	.9347	1.5683	2.3255	.5584
72	.379	.9553	.9553	.9504	1.5945	2.3643	.5664
73	.384	.9396	.9396	.9347	1.5683	2.3255	.5584
74	.390	.9553	.9553	.9504	1.5945	2.3643	.5664
75	.396	.9396	.9396	.9347	1.5683	2.3255	.5584
76	.401	.9553	.9553	.9504	1.5945	2.3643	.5664
77	.407	.9396	.9396	.9347	1.5683	2.3255	.5584
78	.412	.9553	.9553	.9504	1.5945	2.3643	.5664
79	.418	.9396	.9396	.9347	1.5683	2.3255	.5584
80	.423	.9553	.9553	.9504	1.5945	2.3643	.5664
81	.429	.9396	.9396	.9347	1.5683	2.3255	.5584
82	.434	.9553	.9553	.9504	1.5945	2.3643	.5664
83	.440	.9396	.9396	.9347	1.5683	2.3255	.5584
84	.445	.9553	.9553	.9504	1.5945	2.3643	.5664
85	.451	.9396	.9396	.9347	1.5683	2.3255	.5584
86	.457	.9553	.9553	.9504	1.5945	2.3643	.5664
87	.462	.9396	.9396	.9347	1.5683	2.3255	.5584
88	.468	.9553	.9553	.9504	1.5945	2.3643	.5664
89	.473	.9396	.9396	.9347	1.5683	2.3255	.5584
90	.479	.9553	.9553	.9504	1.5945	2.3643	.5664
91	.484	.9396	.9396	.9347	1.5683	2.3255	.5584
92	.490	.9553	.9553	.9504	1.5945	2.3643	.5664
93	.495	.9396	.9396	.9347	1.5683	2.3255	.5584
94	.501	.9553	.9553	.9504	1.5945	2.3643	.5664
95	.506	.9396	.9396	.9347	1.5683	2.3255	.5584
96	.512	.9553	.9553	.9504	1.5945	2.3643	.5664
97	.517	.9396	.9396	.9347	1.5683	2.3255	.5584
98	.523	.9553	.9553	.9504	1.5945	2.3643	.5664
99	.528	.9396	.9396	.9347	1.5683	2.3255	.5584
100	.534	.9553	.9553	.9504	1.5945	2.3643	.5664
101	.539	.9396	.9396	.9347	1.5683	2.3255	.5584
102	.545	.9553	.9553	.9504	1.5945	2.3643	.5664
103	.550	.9396	.9396	.9347	1.5683	2.3255	.5584
104	.556	.9553	.9553	.9504	1.5945	2.3643	.5664
105	.561	.9396	.9396	.9347	1.5683	2.3255	.5584
106	.567	.9553	.9553	.9504	1.5945	2.3643	.5664
107	.572	.9396	.9396	.9347	1.5683	2.3255	.5584
108	.578	.9553	.9553	.9504	1.5945	2.3643	.5664
109	.583	.9396	.9396	.9347	1.5683	2.3255	.5584
110	.589	.9553	.9553	.9504	1.5945	2.3643	.5664
111	.594	.9396	.9396	.9347	1.5683	2.3255	.5584
112	.600	.9553	.9553	.9504	1.5945	2.3643	.5664
113	.605	.9396	.9396	.9347	1.5683	2.3255	.5584
114	.611	.9553	.9553	.9504	1.5945	2.3643	.5664
115	.616	.9396	.9396	.9347	1.5683	2.3255	.5584
116	.622	.9553	.9553	.9504	1.5945	2.3643	.5664
117	.627	.9396	.9396	.9347	1.5683	2.3255	.5584
118	.633	.9553	.9553	.9504	1.5945	2.3643	.5664
119	.638	.9396	.9396	.9347	1.5683	2.3255	.5584
120	.644	.9553	.9553	.9504	1.5945	2.3643	.5664
121	.649	.9396	.9396	.9347	1.5683	2.3255	.5584
122	.655	.9553	.9553	.9504	1.5945	2.3643	.5664
123	.660	.9396	.9396	.9347	1.5683	2.3255	.5584
124	.666	.9553	.9553	.9504	1.5945	2.3643	.5664
125	.671	.9396	.9396	.9347	1.5683	2.3255	.5584
126	.677	.9553	.9553	.9504	1.5945	2.3643	.5664
127	.682	.9396	.9396	.9347	1.5683	2.3255	.5584
128	.688	.9553	.9553	.9504	1.5945	2.3643	.5664
129	.693	.9396	.9396	.9347	1.5683	2.3255	.5584
130	.699	.9553	.9553	.9504	1.5945	2.3643	.5664
131	.704	.9396	.9396	.9347	1.5683	2.3255	.5584
132	.710	.9553	.9553	.9504	1.5945	2.3643	.5664
133	.715	.9396	.9396	.9347	1.5683	2.3255	.5584
134	.721	.9553	.9553	.9504	1.5945	2.3643	.5664
135	.726	.9396	.9396	.9347	1.5683	2.3255	.5584
136	.732	.9553	.9553	.9504	1.5945	2.3643	.5664
137	.737	.9396	.9396	.9347	1.5683	2.3255	.5584
138	.743	.9553	.9553	.9504	1.5945	2.3643	.5664
139	.748	.9396	.9396	.9347	1.5683	2.3255	.5584
140	.754	.9553	.9553	.9504	1.5945	2.3643	.5664
141	.759	.9396	.9396	.9347	1.5683	2.3255	.5584
142	.765	.9553	.9553	.9504	1.5945	2.3643	.5664
143	.770	.9396	.9396	.9347	1.5683	2.3255	.5584
144	.776	.9553	.9553	.9504	1.5945	2.3643	.5664
145	.781	.9396	.9396	.9347	1.5683	2.3255	.5584
146	.787	.9553	.9553	.9504	1.5945	2.3643	.5664
147	.792	.9396	.9396	.9347	1.5683	2.3255	.5584
148	.798	.9553	.9553	.9504	1.5945	2.3643	.5664
149	.803	.9396	.9396	.9347	1.5683	2.3255	.5584
150	.809	.9553	.9553	.9504	1.5945	2.3643	.5664
151	.814	.9396	.9396	.9347	1.5683	2.3255	.5584
152	.820	.9553	.9553	.9504	1.5945	2.3643	.5664
153	.825	.9396	.9396	.9347	1.5683	2.3255	.5584
154	.831	.9553	.9553	.9504	1.5945	2.3643	.5664
155	.836	.9396	.9396	.9347	1.5683	2.3255	.5584
156	.842	.9553	.9553	.9504	1.5945	2.3643	.5664
157	.847	.9396	.9396	.9347	1.5683	2.3255	.5584
158	.853	.9553	.9553	.9504	1.5945	2.3643	.5664
159	.858	.9396	.9396	.9347	1.5683	2.3255	.5584
160	.864	.9553	.9553	.9504	1.5945	2.3643	.5664
161	.869	.9396	.9396	.9347	1.5683	2.3255	.5584
162	.875	.9553	.9553	.9504	1.5945	2.3643	.5664
163	.880	.9396	.9396	.9347	1.5683	2.3255	.5584
164	.886	.9553	.9553	.9504	1.5945	2.3643	.5664
165	.891	.9396	.9396	.9347	1.5683	2.3255	.5584
166	.897	.9553	.9553	.9504	1.5945	2.3643	.5664
167	.902	.9396	.9396	.9347	1.5683	2.3255	.5584
168	.908	.9553	.9553	.9504	1.5945	2.3643	.5664
169	.913	.9396	.9396	.9347	1.5683	2.3255	.5584
170	.919	.9553	.9553	.9504	1.5945	2.3643	.5664
171	.924	.9396	.9396	.9347	1.5683	2.3255	.5584
172	.930	.9553	.9553	.9504	1.5945	2.3643	.5664
173	.935	.9396	.9396	.9347	1.5683	2.3255	.5584
174	.941	.9553	.9553	.9504	1.5945	2.3643	.5664
175	.946	.9396	.9396	.9347	1.5683	2.3255	.5584
176	.952	.9553	.9553	.9504	1.5945	2.3643	.5664
177	.957	.9396	.9396	.9347	1.5683	2.3255	.5584
178	.963	.9553	.9553	.9504	1.5945	2.3643	.5664
179	.968	.9396	.9396	.9347	1.5683	2.3255	.5584
180	.974	.9553	.9553	.9504	1.5945	2.3643	.5664
181	.979	.9396	.9396	.9347	1.5683	2.3255	.5584
182	.985	.9553	.9553	.9504	1.5945	2.3643	.5664
183	.990	.9396	.9396	.9347	1.5683	2.3255	.5584
184	.996	.9553	.9553	.9504	1.5945	2.3643	.5664
185	1.001	.9396	.9396	.9347	1.5683	2.3255	.5584
186	1.007	.9553	.9553	.9504	1.5945	2.3643	.5664
187	1.012	.9396	.9396	.9347	1.5683	2.3255	.5584
188	1.018	.9553	.9553	.9504	1.5945	2.3643	.5664
189	1.023	.9396	.9396	.9347	1.5683	2.3255	.5584
190	1.029	.9553	.9553	.9504	1.5945	2.3643	.5664
191	1.034	.9396	.9396	.9347	1.5683	2.3255	.5584
192	1.040	.9553	.9553	.9504	1.5945	2.3643	.5664
193	1.045	.9396	.9396	.9347	1.5683	2.3255	.5584
194	1.051	.9553	.9553	.9504	1.5945	2.3643	.5664
195	1.056	.9396	.9396	.9347	1.5683	2.3255	.5584
196	1.062	.9553	.9553	.9504	1.5945	2.3643	.5664
197	1.067	.9396	.9396	.9347	1.5683	2.3255	.5584
198	1.073	.9553	.9553	.9504	1.5945	2.3643	.5664
199	1.078	.9396	.9396	.9347	1.5683	2.3255	.5584
200	1.084	.9553	.9553	.9504	1.5945	2.3643	.5664
201	1.089	.9396	.9396	.9347	1.5683	2.3255	.5584
202	1.095	.9553	.9553	.9504	1.5945	2.3643	.5664
203	1.100	.9396	.9396	.9347	1.5683	2.3255	.5584
204	1.106	.9553	.9553	.9504	1.5945	2.3643	.5664
205	1.111	.9396	.9396	.9347	1.5683	2.3255	.5584
206	1.117	.9553	.9553	.9504	1.5945	2.3643	.5664
207	1.122	.9396	.9396	.9347	1.5683	2.3255	.5584
208	1.128	.9553	.9553	.9504	1.5945	2.3643	.5664
209	1.133	.9396	.9396	.9347	1.5683	2.3255	.5584
210	1.139	.9553	.9553	.9504	1.5945	2.3643	.5664
211	1.144	.9396	.9396	.9347	1.5683	2.3255	.5584
212	1.150	.9553	.9553	.9504	1.5945	2.3643	.5664
213	1.155	.9396	.9396	.9347	1.5683	2.3255	.5584
214	1.161	.9553	.9553	.9504	1.5945	2.3643	.5664
215	1.166	.9396	.9396	.9347	1.5683	2.3255	.5584
216	1.172	.9553	.9553	.9504	1.5945	2.3643	.5664
217	1.177	.9396	.9396	.9347	1.5683	2.3255	.5584
218	1.183	.9553	.9553	.9504	1.5945	2.3643	.5664
219	1.188	.9396	.9396	.9347	1.5683	2.3255	.5584
220	1.194	.9553	.9553	.9504	1.5945	2.3643	.5664
221	1.199	.9396	.9396	.9347	1.5683	2.3255	.5584
222	1.205	.9553	.9553	.9504	1.5945	2.3643	.5664
223	1.210	.9396	.9396	.9347	1.5683	2.3255	.5584
224	1.216	.9553	.9553	.9504	1.5945	2.3643	.5664
225	1.221	.9396	.9396	.9347	1.5683	2.3255	.5584
226	1.227	.9553	.9553	.9504	1.5945	2.3643	.5664
227	1.232	.9396	.9396	.9347	1.5683	2.3255	.5584
228	1.238	.9553	.9553	.9504	1.5945	2.3643	.5664
229	1.243	.9396	.9396	.9347	1.5683	2.3255	.5584
230	1.249	.9553	.9553	.9504	1.5945	2.3643	.5664
231	1.254	.9396	.9396	.9347	1.5683	2.3255	.5584
232	1.260	.9553	.9553	.9504	1.5945	2.3643	.5664
233	1.265	.9396	.9396	.9347	1.5683	2.3255	.5584
234	1.271	.9553	.9553	.9504	1.5945	2.3643	.5664
235	1.276	.9396	.9396	.9347	1.5683	2.3255	.5584
236	1.282	.9553	.9553	.9504	1.5945	2.3643	.5664
237	1.287	.9396	.9396	.9347	1.5683	2.3255	.5584
238	1.293	.9553	.9553	.9504	1.5945	2.3643	.5664
239	1.298	.9396	.9396	.9347	1.5683	2.3255	.5584
240	1.304	.9553	.9553	.9504	1.5945	2.3643	.5664
241	1.309	.9396	.9396	.9347	1.5683	2.3255	.5584
242	1.315	.9553	.9553	.9504	1.5945	2.3643	.5664
243	1.320	.9396	.9396	.9347	1.5683	2.3255	.5584
244	1.326	.9553	.9553	.9504	1.5945	2.3643	.5664
245	1.331	.9396	.9396	.9347	1.5683	2.3255	.5584
246	1.337	.9553	.9553	.9504	1.5945	2.3643	.5664
247	1.342	.9396	.9396	.9347	1.5683	2.3255	.5584
248	1.348	.9553	.9553	.9504	1.5945	2.3643	.5664
249	1.353	.9396	.9396	.9347	1.5683	2.3255	.5584
250	1.359	.9553	.9553	.9504	1.5945	2.3643	.5664
251	1.364	.9396	.9396	.9347	1.5683	2.3255	.5584
252	1.370	.9553	.9553	.9504	1.5945	2.3643	.5664
253	1.375	.9396	.9396	.9347	1.5683	2.3255	.5584
254	1.381	.9553	.9553	.9504	1.5945	2.3643	.5664
255	1.386	.9396	.9396	.9347	1.5683	2.3255	.5584

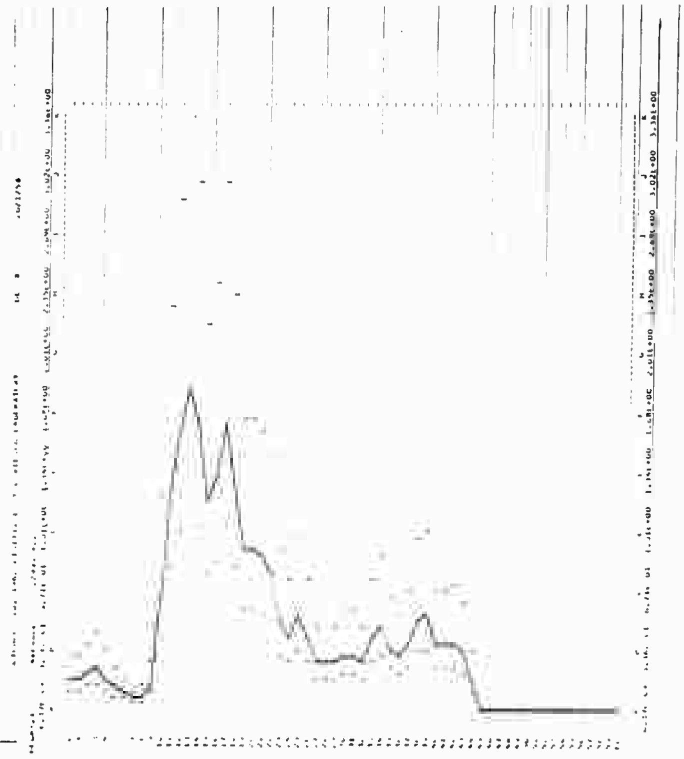




SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

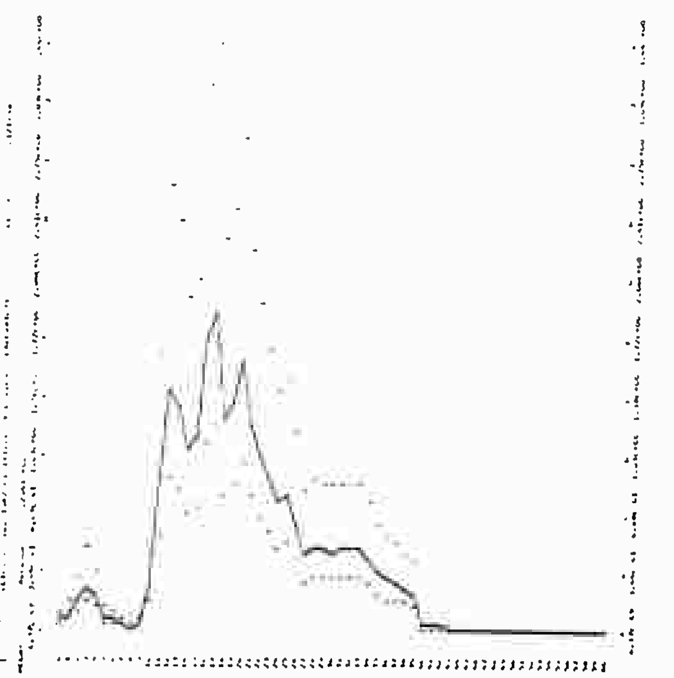
DATE = 20/1/58 AV. T= 7.6 RECORD = GL 8
NCUR = 21 SIG.HGT. = 20.1
TOTAL DF =266 CORR. VAR. = 25.1
NOISE LEVEL = .0091 WIND SPEED = 30

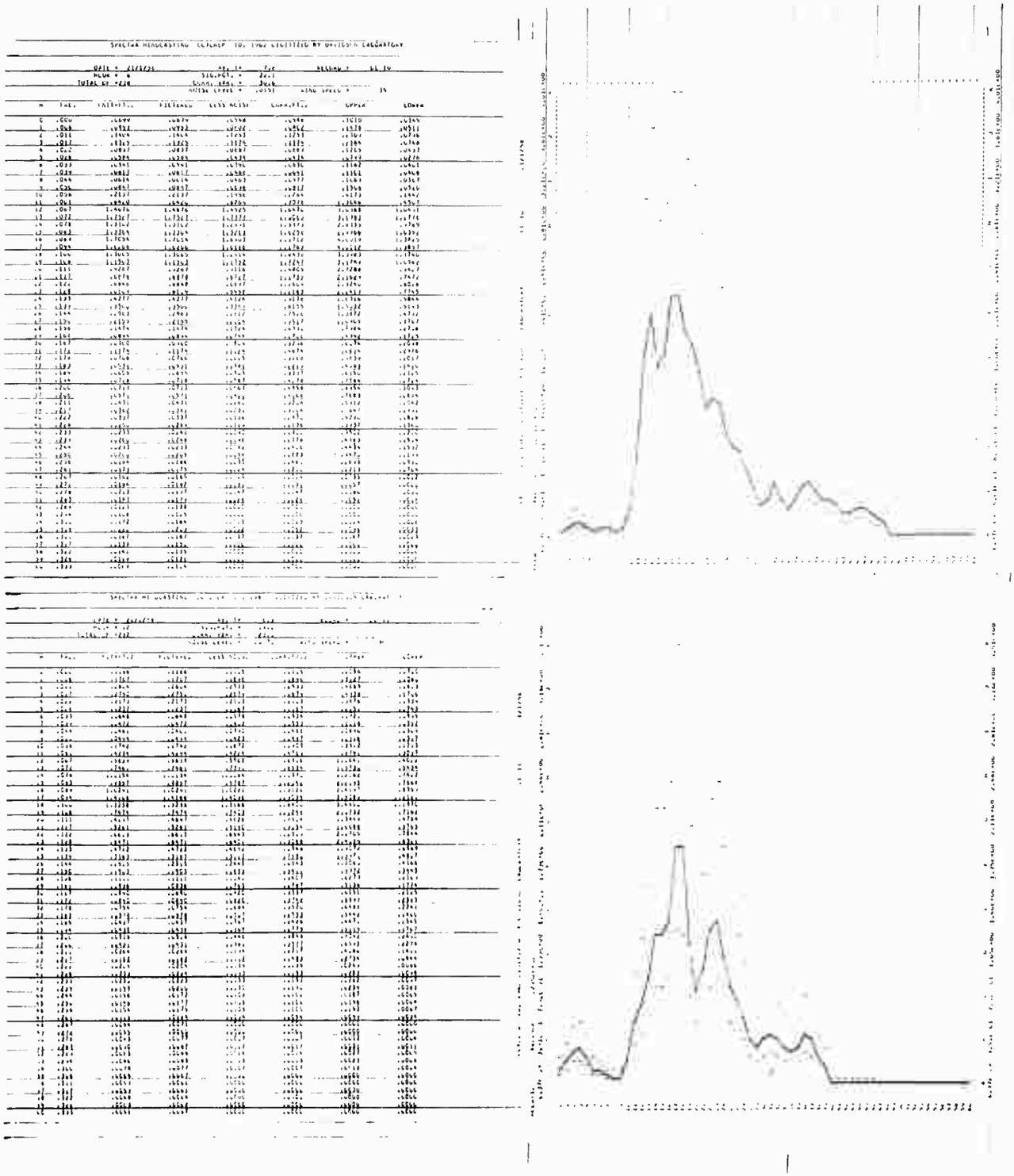
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1705	.1705	.1614	.1614	.2975	.1028
1	.006	.1714	.1714	.1623	.1623	.2591	.1033
2	.011	.2156	.2156	.2065	.2065	.3405	.1315
3	.017	.2403	.2403	.2312	.2312	.5261	.1472
4	.022	.1860	.1860	.1768	.1788	.3296	.1139
5	.028	.1279	.1279	.1188	.1188	.2190	.0756
6	.033	.0689	.0689	.0598	.0966	.1740	.0615
7	.039	.0466	.0466	.0375	.0515	.0958	.0328
8	.044	.0684	.0684	.0593	.0736	.1361	.0470
9	.050	.1357	.1357	.1265	.1588	.2739	.0956
10	.056	.5793	.5793	.5701	.6444	1.1978	.4138
11	.061	1.1131	1.1131	1.1040	1.4465	2.2276	.7937
12	.067	1.3946	1.3946	1.3855	1.5716	2.8466	1.0067
13	.072	1.5863	1.5863	1.5772	1.8219	3.3371	1.1944
14	.078	1.3775	1.3775	1.3684	1.6242	2.9937	1.0342
15	.083	.9745	.9745	.9653	1.1878	2.1896	.7863
16	.089	1.0257	1.0257	1.0166	1.3058	2.4688	.8314
17	.094	1.2137	1.2137	1.2046	1.6767	2.9982	1.0358
18	.100	.9071	.9071	.8979	1.4026	2.3829	.8163
19	.106	.6023	.6023	.5932	.9012	1.6811	.5738
20	.111	.5614	.5614	.5522	.8466	1.6531	.5711
21	.117	.5029	.5029	.4937	.8613	1.5875	.5485
22	.122	.4209	.4209	.4118	.7753	1.4284	.4936
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

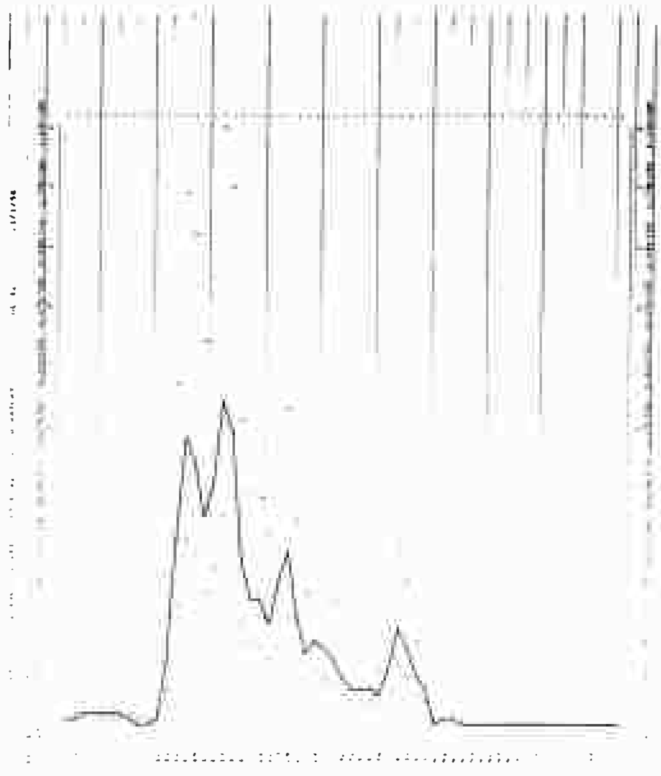




SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/58   AV. T= 8.3   RECORD = DL 12
HOUR = 18   SIG.HGT. = 17.5
TOTAL DF =206   CORR. VAR. = 19.2
NOISE LEVEL = .0099   WIND SPEED = 30

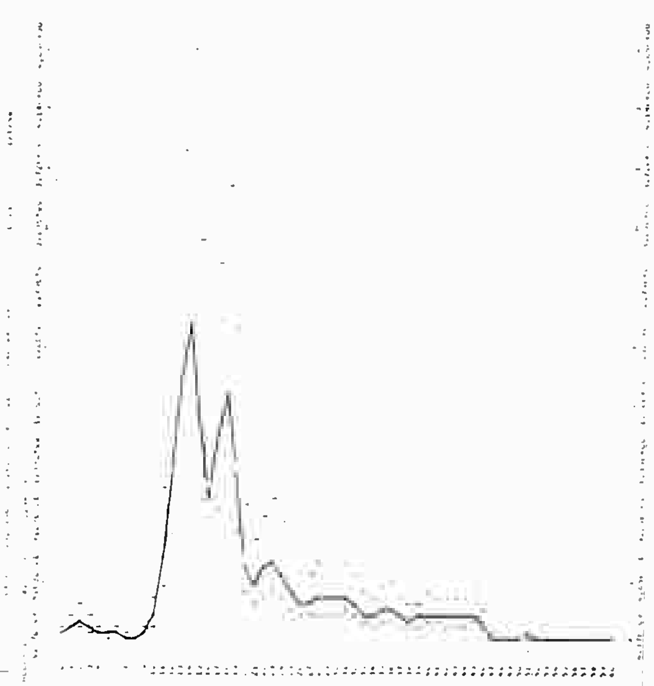
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0288	.0288	.0188	.0188	.0347	.0126
1	.006	.0423	.0423	.0324	.0324	.0596	.0266
2	.011	.0723	.0723	.0624	.0624	.1150	.0397
3	.017	.0872	.0872	.0773	.0773	.1424	.0492
4	.022	.0776	.0776	.0677	.0677	.1247	.0431
5	.028	.0647	.0647	.0548	.0548	.1009	.0349
6	.033	.0477	.0477	.0378	.0611	.1126	.0369
7	.039	.0300	.0300	.0200	.0275	.0507	.0175
8	.044	.0222	.0222	.0123	.0151	.0283	.0098
9	.050	.0197	.0197	.0098	.0115	.0211	.0073
10	.056	.0357	.0357	.0257	.0293	.0541	.0187
11	.061	.2781	.2781	.2682	.3028	.5582	.1928
12	.067	.8552	.8552	.8453	.9582	1.7672	.6105
13	.072	1.2986	1.2986	1.2887	1.4886	2.7420	.9475
14	.078	1.1654	1.1654	1.1555	1.3763	2.5374	.8733
15	.083	.8856	.8856	.8757	1.0719	1.9059	.6860
16	.089	.9861	.9861	.9762	1.2517	2.3112	.7984
17	.094	1.2548	1.2548	1.2449	1.6311	3.0386	1.0704
18	.100	1.0683	1.0683	1.0583	1.5116	2.7950	[illegible]
19	.106	.5894	.5894	.5795	.8566	1.5986	.5412
20	.111	.4148	.4148	.4048	.6372	1.1813	[illegible]
21	.117	.3805	.3805	.3706	[illegible]	1.1715	[illegible]
22	.122	.2923	.2923	.2824	[illegible]	[illegible]	.3165
23	.128	.3670	.3670	.3571	[illegible]	1.3416	[illegible]
24	.133	.4085	.4085	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	.2416	.2416	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	.1467	.1467	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	.1602	.1602	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	.1339	.1339	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	.1076	.1076	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	.0739	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	.0500	.0500	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	.0480	.0480	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.0439	.0439	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	.0322	.0322	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	.0467	.0467	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	.0667	.0667	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	.0511	.0511	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	.0310	.0316	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	.0245	.0245	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	.0237	.0237	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	.0257	.0273	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	.0272	.0261	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	.0187	.0265	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	.0175	.0173	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	.0157	.0155	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0121	.0129	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	.0108	.0114	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	.0118	.0117	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	.0130	.0125	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	.0120	.0123	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	.0109	.0114	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	.0100	.0103	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	.0115	.0107	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	.0098	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	.0078	.0086	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	.0083	.0083	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	.0099	.0094	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	.0093	.0087	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	.0111	.0108	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	.0117	.0114	[illegible]	[illegible]	[illegible]	[illegible]

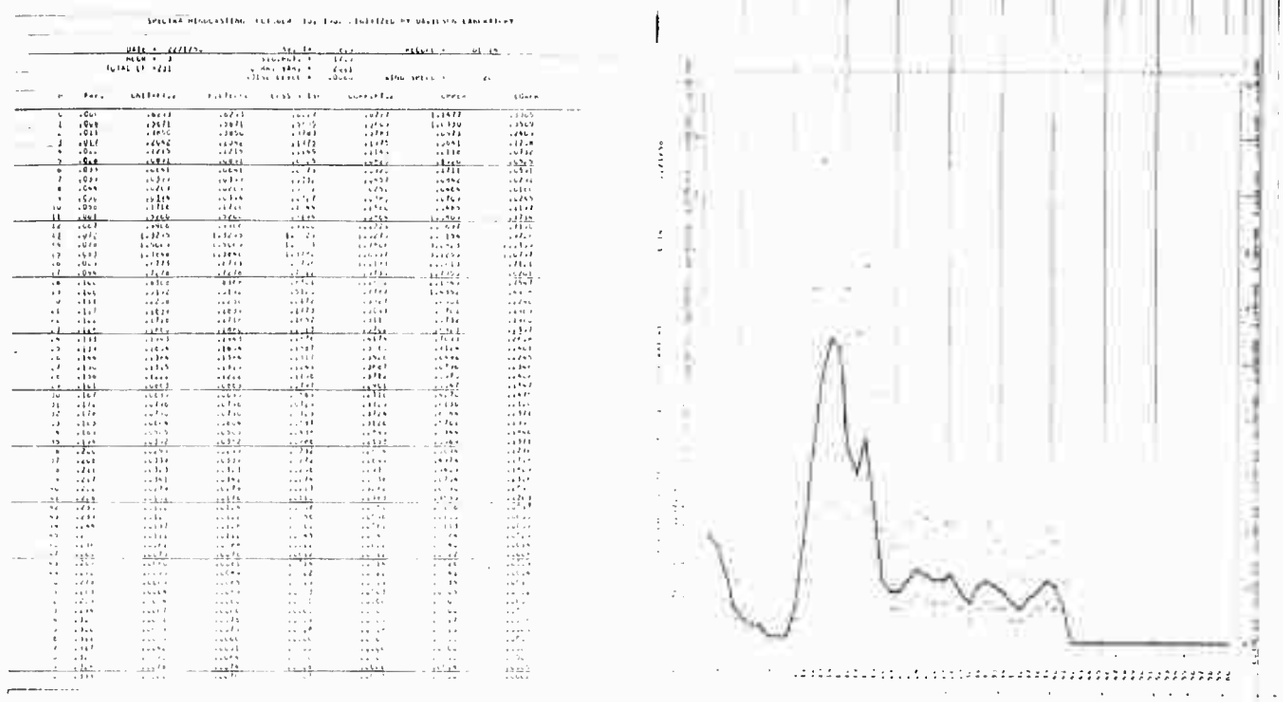


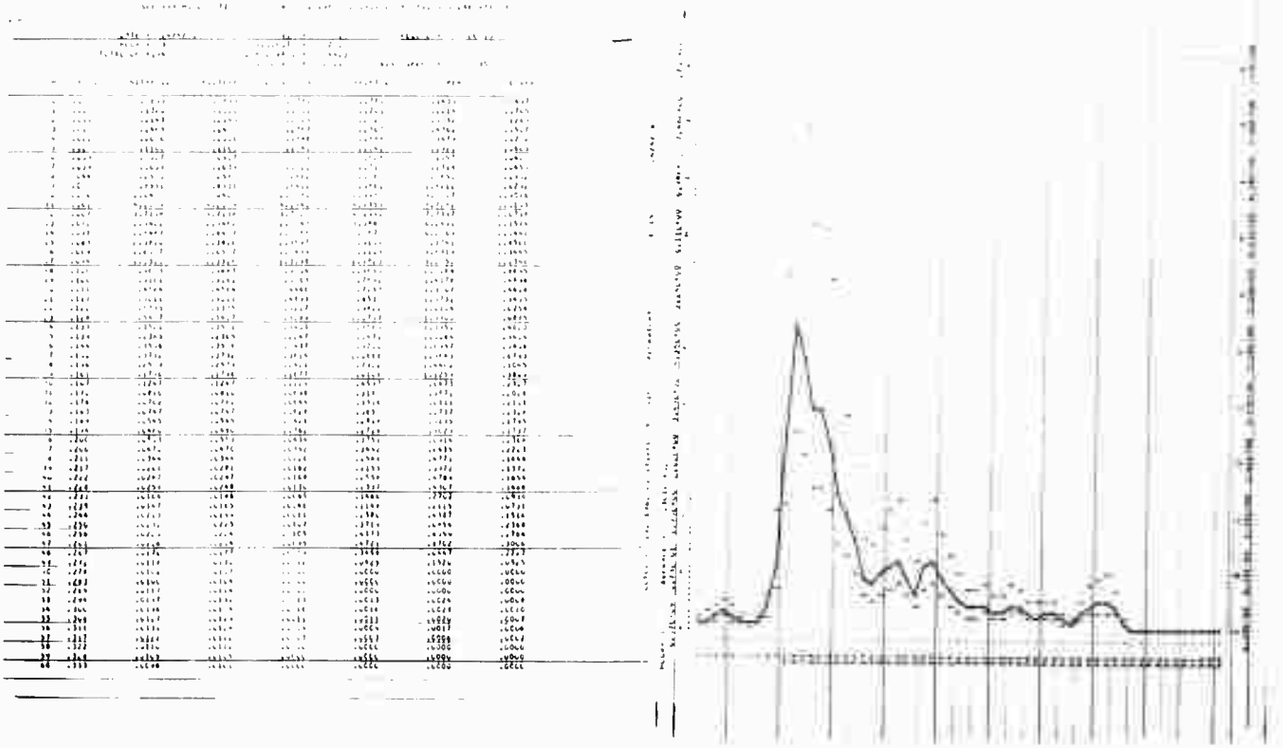
[illegible]

DATE = 21/1/58   [illegible]
HOUR = [illegible]
TOTAL DF =180   [illegible]

N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



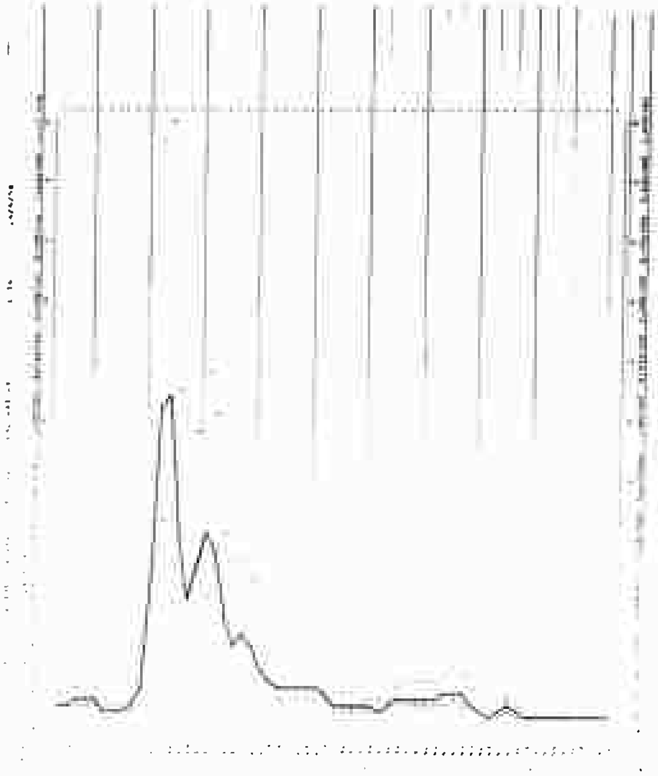




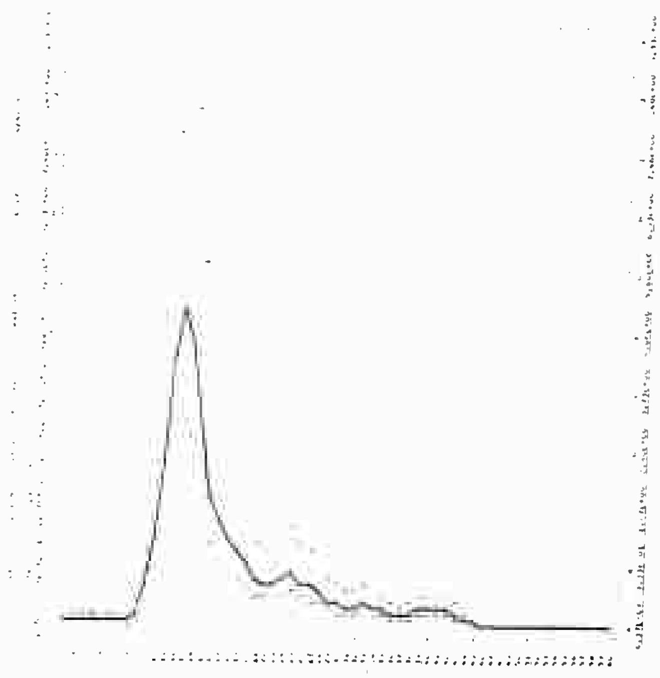
SPECTRA HINDCASTING OCTOBER 10, 196. DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/58 — RECORD = VL 10
WIND SPEED = 46

N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2110	.2370	.2736	.2796	.6228	.1461
1	.006	.2210	.2170	.2502	.2562	.5512	.1511
2	.011	.3097	.3641	.3626	.3644	.7568	.1923
3	.017	.3363	.3307	.3265	.3289	.6964	.2036
4	.022	.2750	.2756	.2676	.2676	.5424	.1763
5	.028	.1661	.1661	.1185	.1585	.3121	.1049
6	.033	.0916	.0974	.0760	.1176	.2575	.0872
7	.039	.4826	.4010	.4734	.1526	.1707	.0657
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



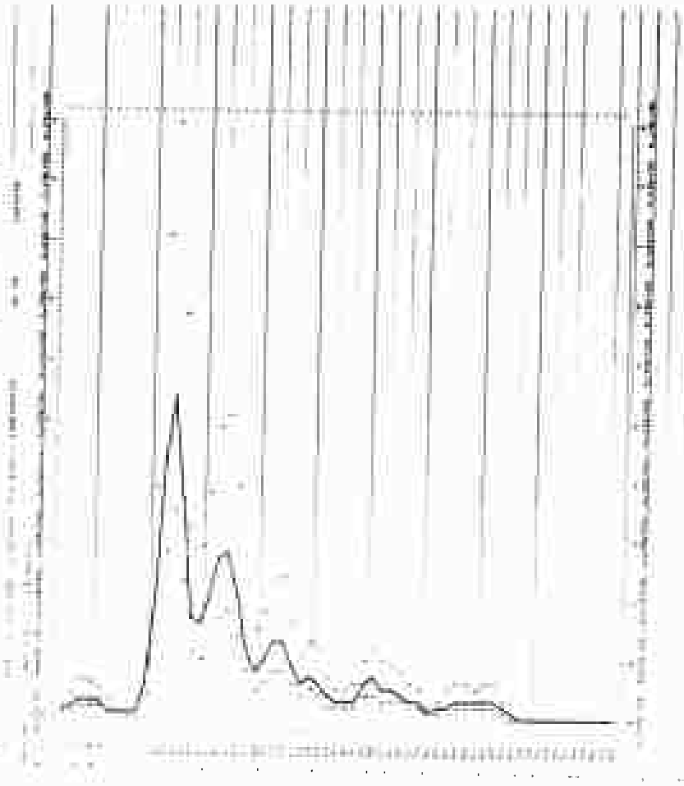
N	FRE.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/56   AV. T = 8.2   RECORD = DL 18
HOUR = 15   SIG.HGT. = 24.6
TOTAL DF = 147   CORR. VAR. = 37.9
NOISE LEVEL = .0069   WIND SPEED = 35

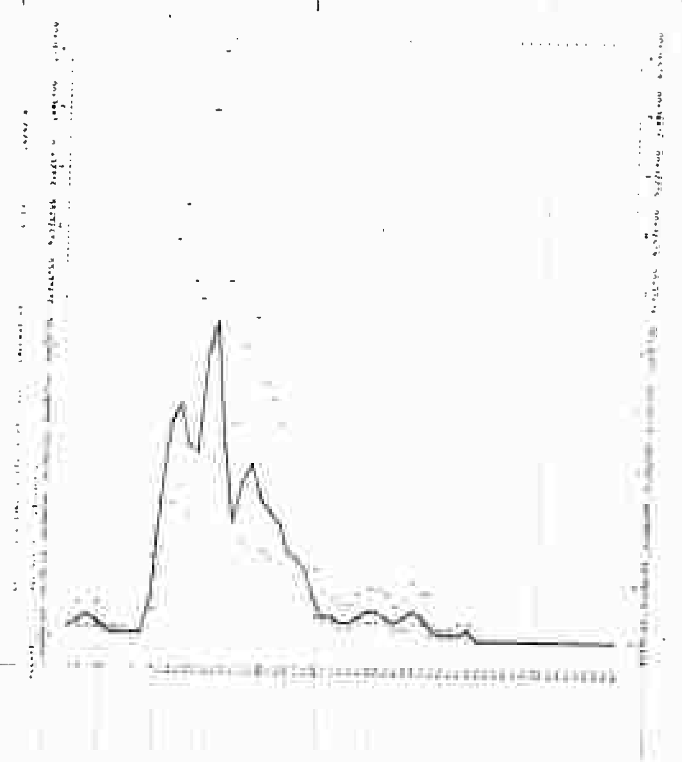
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1069	.1069	.1000	.1000	.1844	.0637
1	.006	.1935	.1935	.1866	.1866	.3440	.1189
2	.011	.2897	.2897	.2828	.2828	.5212	[illegible]
3	.017	.2869	.2869	.2800	.2800	.5161	[illegible]
4	.022	.2284	.2284	.2215	.2215	.4083	[illegible]
5	.028	.1284	.1284	.1215	.1215	.2240	[illegible]
6	.033	.0430	.0430	.0361	.0583	.1075	[illegible]
7	.039	.0385	.0385	.0316	.0434	.0799	[illegible]
8	.044	.0474	.0474	.0405	.0504	.0930	[illegible]
9	.050	.3950	.3950	.3881	.4559	.6403	[illegible]
10	.056	1.5229	1.5229	1.5160	1.7201	3.1452	[illegible]
11	.061	3.2009	3.2009	3.1941	3.6584	6.6471	[illegible]
12	.067	3.9539	3.9539	3.9470	4.4770	8.2518	[illegible]
13	.072	2.6294	2.6294	2.6225	3.0282	5.3813	[illegible]
14	.078	1.2187	1.2187	1.2119	1.4305	2.6513	[illegible]
15	.083	1.6521	1.6521	1.6452	1.8990	3.8703	[illegible]
16	.089	1.3177	1.3177	1.3108	1.6017	3.1034	[illegible]
17	.094	1.6271	1.6271	1.6202	2.1880	4.0127	[illegible]
18	.100	1.6013	1.6013	1.5944	2.2763	4.1355	[illegible]
19	.106	1.1888	1.1888	1.1819	1.7653	3.2537	[illegible]
20	.111	.6355	.6355	.6286	1.0216	1.8918	[illegible]
21	.117	.3938	.3938	.3869	.6752	1.2490	[illegible]
22	.122	.4378	.4378	.4309	.6115	1.4454	[illegible]
23	.128	.5138	.5138	.5069	1.0345	1.9075	[illegible]
24	.133	.4893	.4893	.4824	1.0736	1.9777	[illegible]
25	.139	.3043	.3043	.2974	.7252	1.3348	[illegible]
26	.144	.1967	.1967	.1878	.5027	.9265	[illegible]
27	.150	.1650	.1650	.1581	.2848	1.1775	[illegible]
28	.156	.1648	.1648	.1579	.5164	.9527	[illegible]
29	.161	.0932	.0932	.0763	.3142	.5791	[illegible]
30	.167	.0655	.0655	.0586	.3187	.4400	[illegible]
31	.172	.0582	.0582	[illegible]	[illegible]	.9328	[illegible]
32	.178	.0567	.0567	.0518	[illegible]	.4915	[illegible]
33	.183	.0862	.0862	.0791	.5616	.8508	[illegible]
34	.189	.0894	.0894	.0725	.5451	1.0051	[illegible]
35	.194	.0854	.0854	.0561	.4426	.4155	[illegible]
36	.200	.0547	.0547	.0478	.4124	.7602	[illegible]
37	.206	.0416	.0416	.0347	.3665	.6350	[illegible]
38	.211	.0307	.0307	.0238	.2722	.5026	[illegible]
39	.217	.0236	.0236	.0167	.2215	.4083	[illegible]
40	.222	.0125	.0125	.0056	.0851	.1580	[illegible]
41	.228	.0134	.0146	.0077	.1271	.2366	[illegible]
42	.233	.0174	.0166	.0097	.2056	.3785	[illegible]
43	.239	.0170	.0173	.0104	.2551	.4725	[illegible]
44	.244	.0154	.0154	.0085	[illegible]	[illegible]	[illegible]
45	.250	.0127	.0117	.0048	[illegible]	[illegible]	[illegible]
46	.256	.0143	.0134	.0065	[illegible]	[illegible]	[illegible]
47	.261	.0124	.0124	.0055	[illegible]	.5065	[illegible]
48	.267	.0088	.0075	.0026	.1565	.2856	[illegible]
49	.272	.0049	.0078	.0009	[illegible]	.1888	[illegible]
50	.278	[illegible]	.0044	.0000	.0000	.0000	[illegible]
51	.283	.0054	.0054	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	.0072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	.0000	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

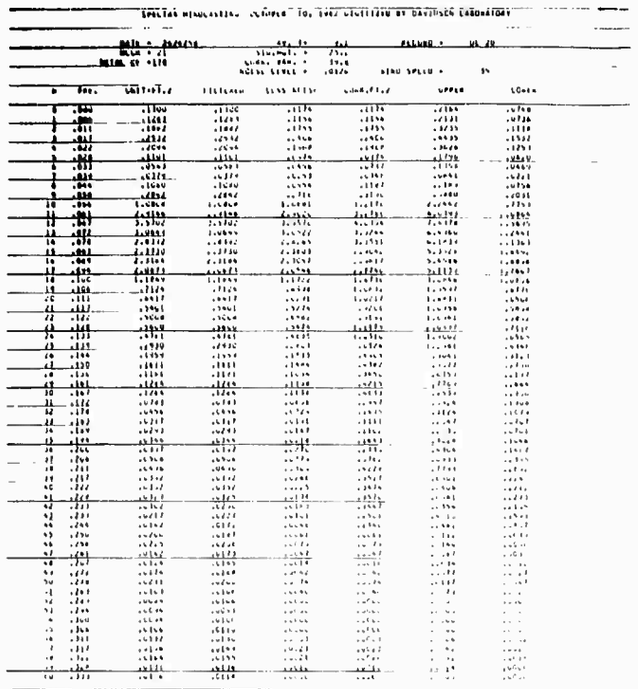


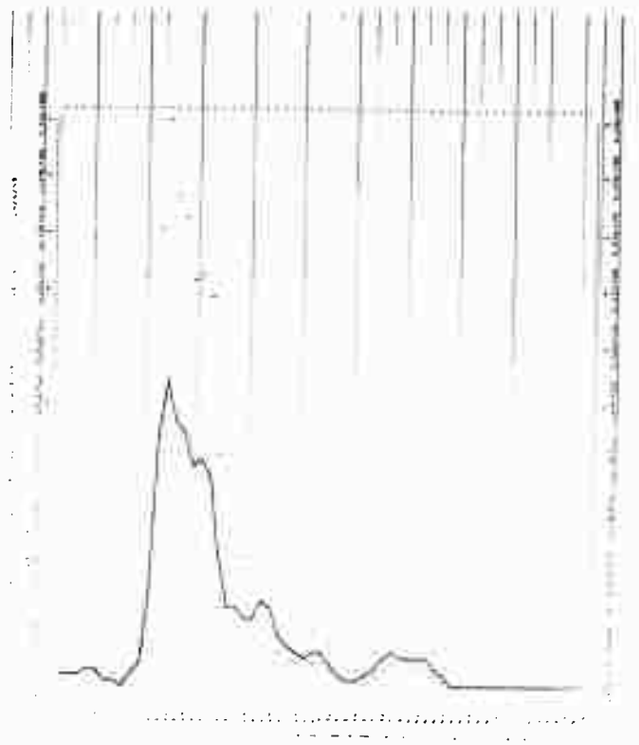
SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

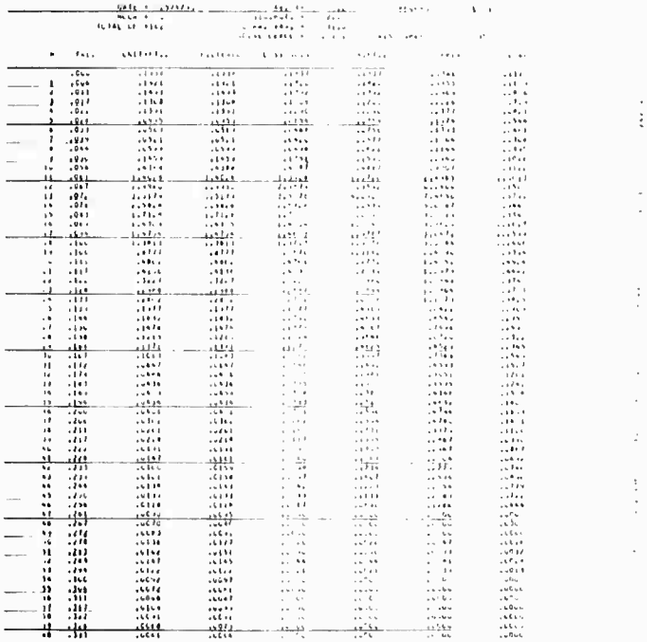
DATE = [illegible]   AV. T = [illegible]   RECORD = [illegible]
HOUR = 18   SIG.HGT. = [illegible]
TOTAL DF = [illegible]   CORR. VAR. = [illegible]
NOISE LEVEL = [illegible]   WIND SPEED = 35

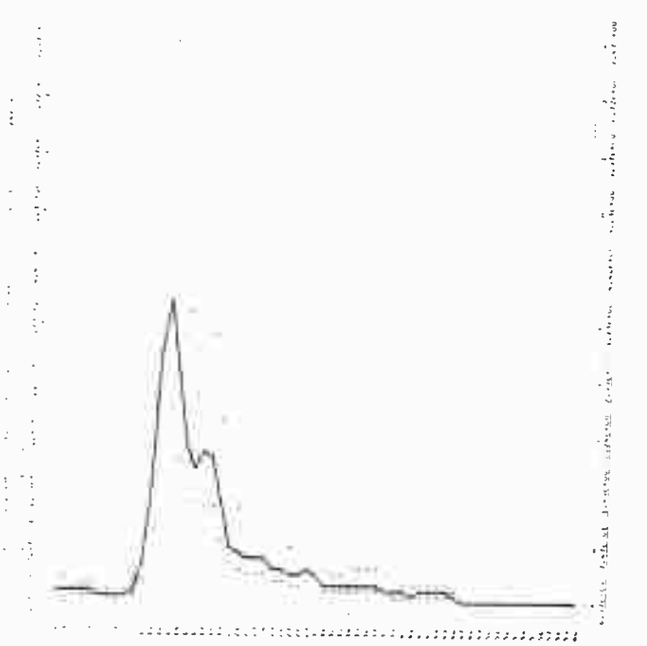
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

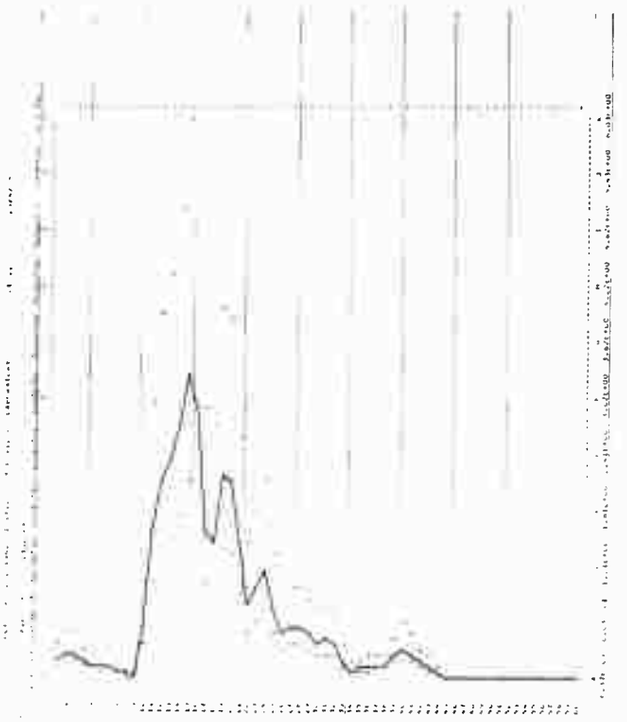


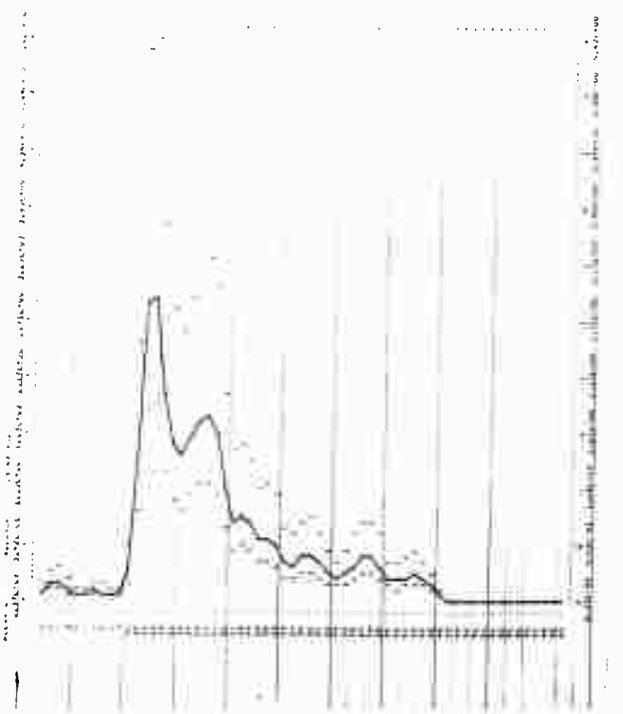


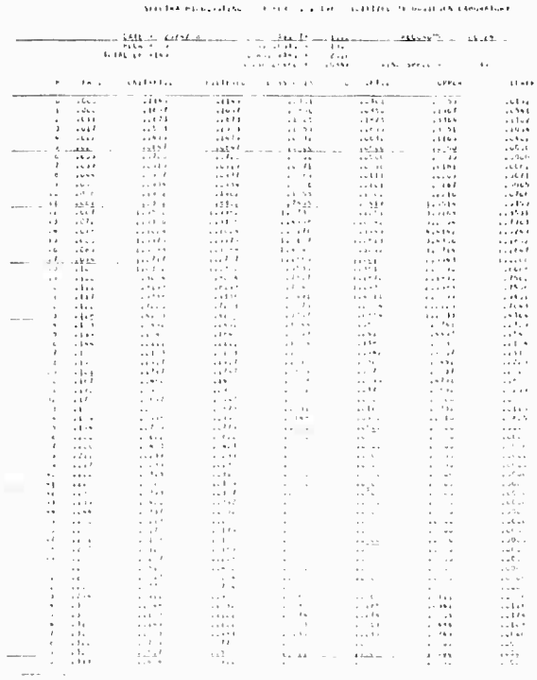


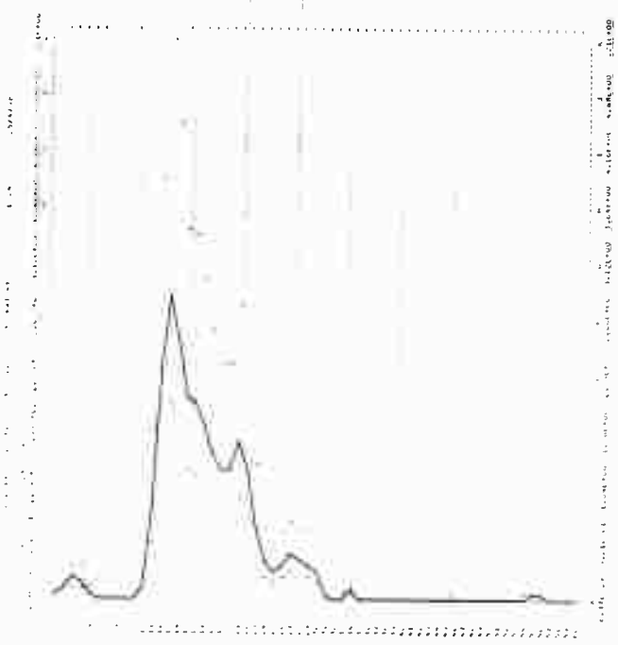


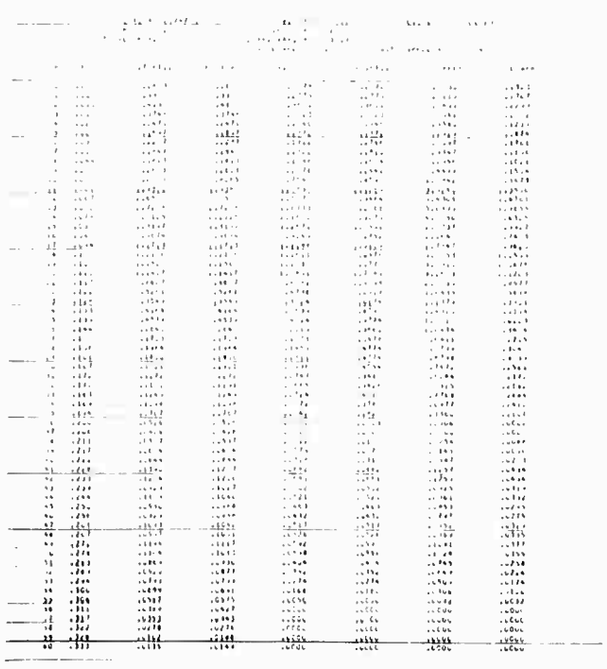


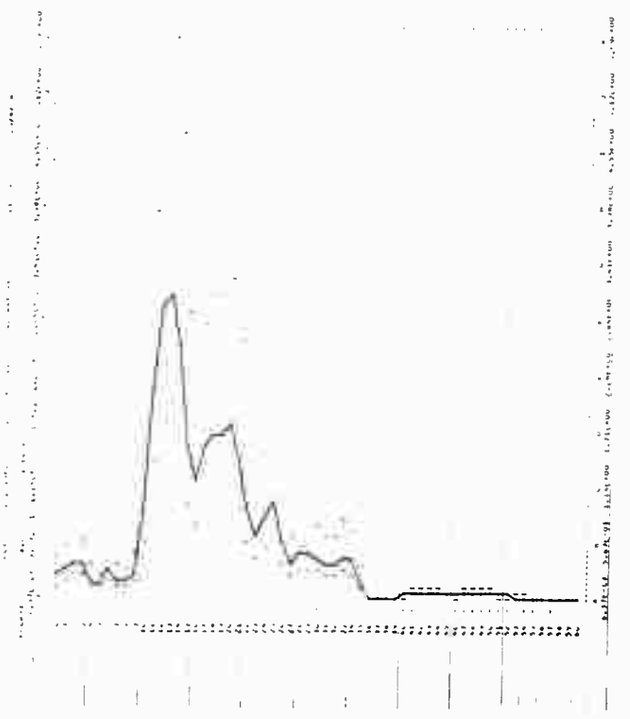




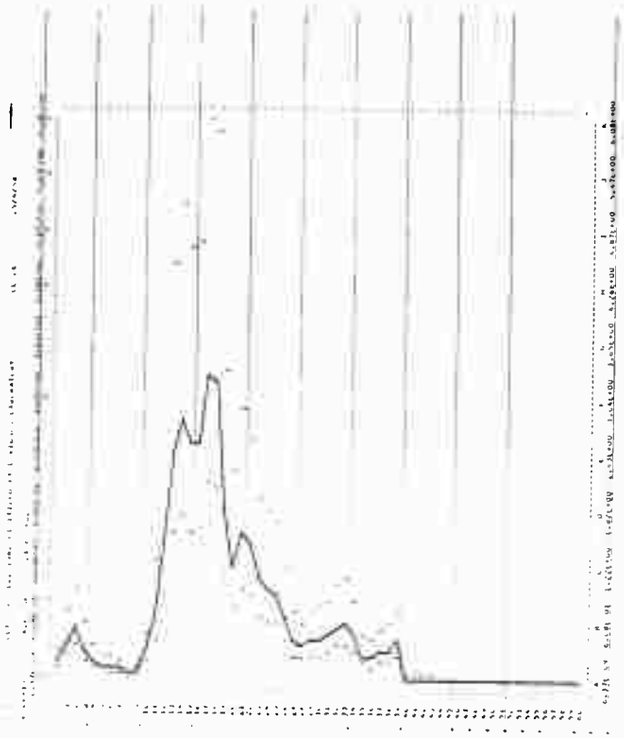


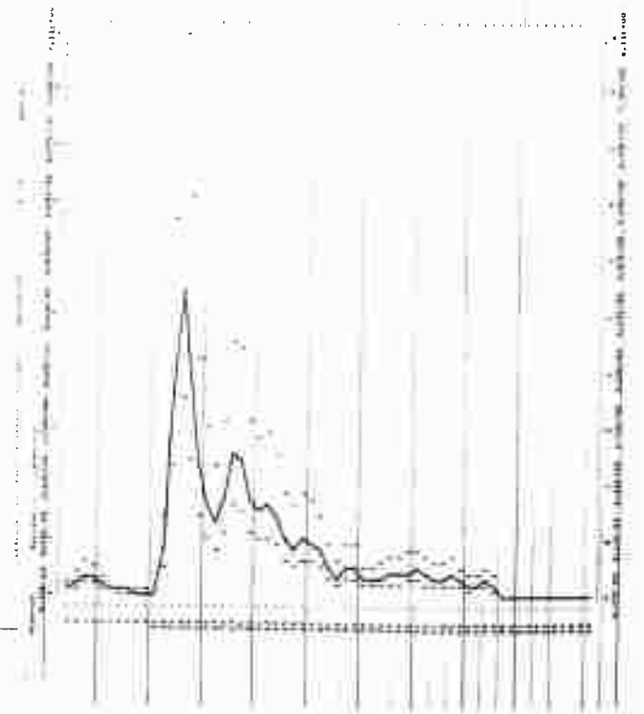






SPECTRA RESOLUTION (CLOSER TO 1.0, THE BETTER) UTILIZED BY DAVIDSON LABORATORY

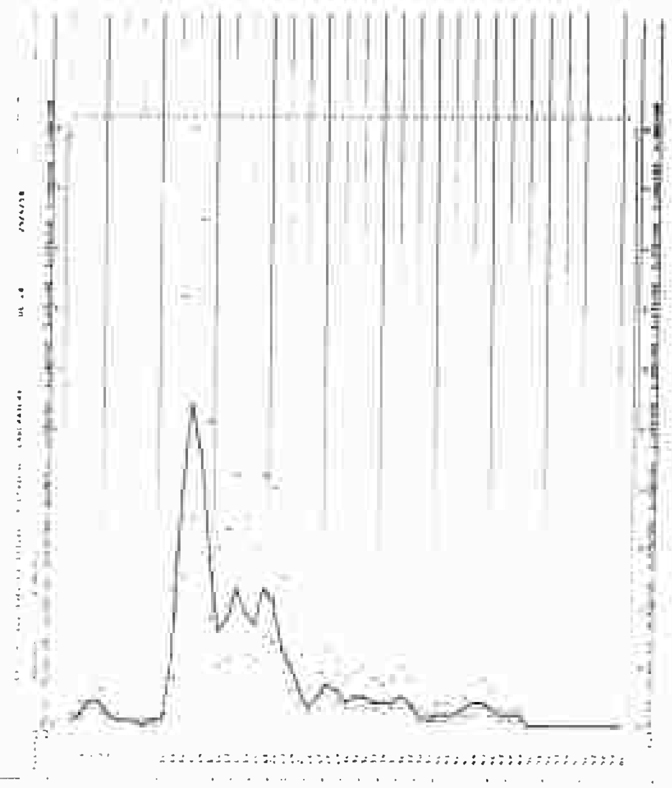




SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

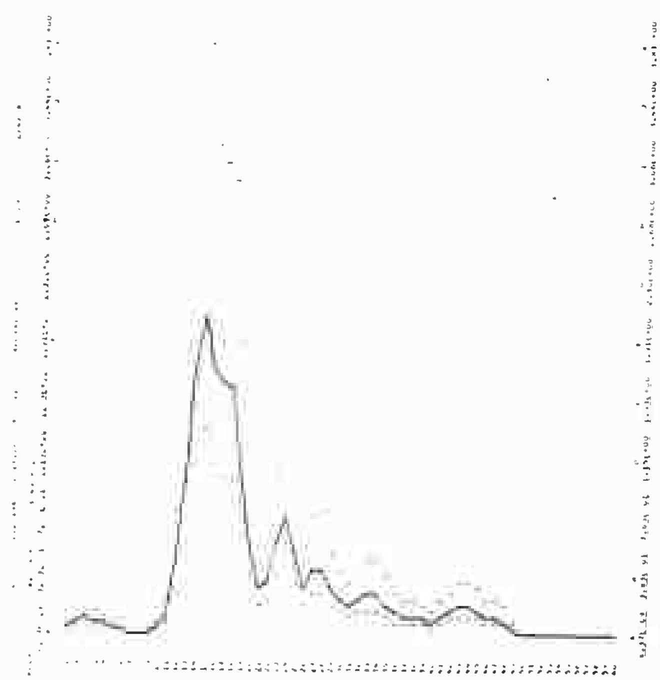
DATE = 25/4/58 AV. T = 8.3 RECORD = DL 28
NCUR = 21 SIG.HGT. = 18.9
TOTAL DF = 184 CORR. VAR. = 22.1
NOISE LEVEL = .0052 WIND SPEED = 35

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0541	.0541	.0489	.0485	.0907	.0312
1	.006	.1111	.1111	.1119	.1119	.2063	.0713
2	.011	.2051	.2051	.1999	.1994	.3685	.1273
3	.017	.1788	.1788	.1736	.1736	.2200	.1149
4	.022	.0965	.0965	.0914	.0914	.1684	.0582
5	.028	.0585	.0585	.0533	.0533	.0983	.0340
6	.033	.0398	.0398	.0346	.0559	.1031	.0356
7	.039	.0258	.0258	.0206	.0283	.0521	.0180
8	.044	.0214	.0214	.0162	.0207	.0382	.0132
9	.050	.0347	.0347	.0295	.0395	.0938	.0240
10	.056	.0487	.0487	.0435	.0496	.0915	.0316
11	.061	.5539	.5539	.5488	.6196	1.1421	.3945
12	.067	1.7024	1.7024	1.6577	1.9257	3.5496	1.2262
13	.072	2.3356	2.3356	2.3304	2.6955	4.9692	1.7134
14	.078	1.9284	1.9284	1.9232	2.2824	4.2077	1.4536
15	.083	1.1269	1.1269	1.1217	1.3901	2.5630	.8768
16	.089	.6363	.6363	.6251	.8028	1.4799	.5113
17	.094	.6588	.6588	.6536	.8926	1.6264	.5646
18	.100	.8041	.8041	.7989	1.1467	2.1026	.7263
19	.106	.8267	.8267	.8279	.9536	1.7572	.6070
20	.111	.5698	.5698	.5646	.8190	1.5106	.5217
21	.117	.6600	.6596	.6548	1.1922	2.1651	.7773
22	.122	.5710	.5710	.5658	1.0653	1.9636	.6783
23	.128	.3248	.3248	.3296	.6627	1.2219	.4219
24	.133	.2160	.2160	.2127	.4735	.8727	.3015
25	.139	.1330	.1330	.1278	.3113	.5737	.1982
26	.144	.0681	.0681	.0632	.1692	.3116	.1077
27	.150	.0838	.0838	.0786	.2326	.4277	.1478
28	.156	.1146	.1146	.1094	.3581	.6601	.2280
29	.161	.0880	.0880	.0828	.3017	.5561	.1921
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



[illegible]

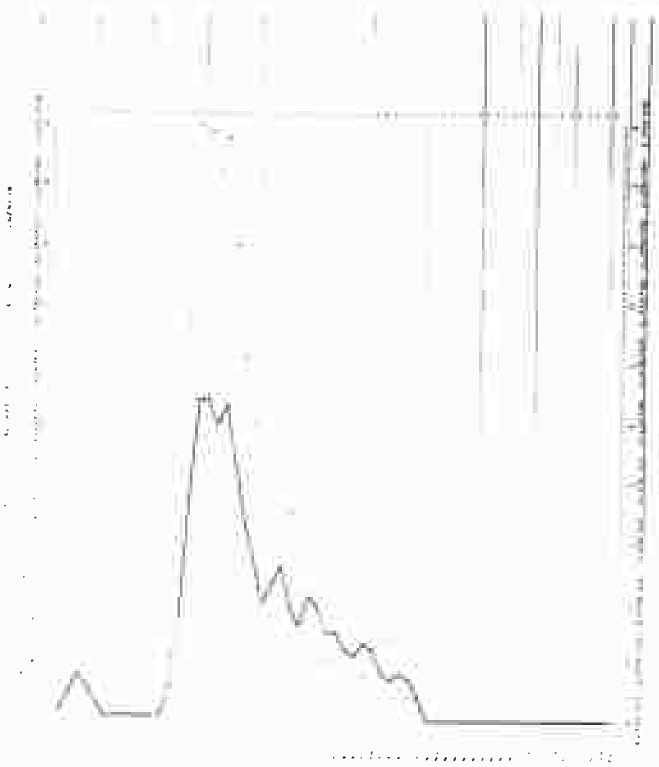
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 30, 196[illegible] DIGITIZED BY DAVIDSON LABORATORY

DATE = [illegible] AV. T= 6.1 RECORD = [illegible]
HOUR = 3 SIG.HGT. = 10.1
TOTAL OF =209 CORR. VAR. = [illegible]
NOISE LEVEL = .0.55 WIND SPEED = 30

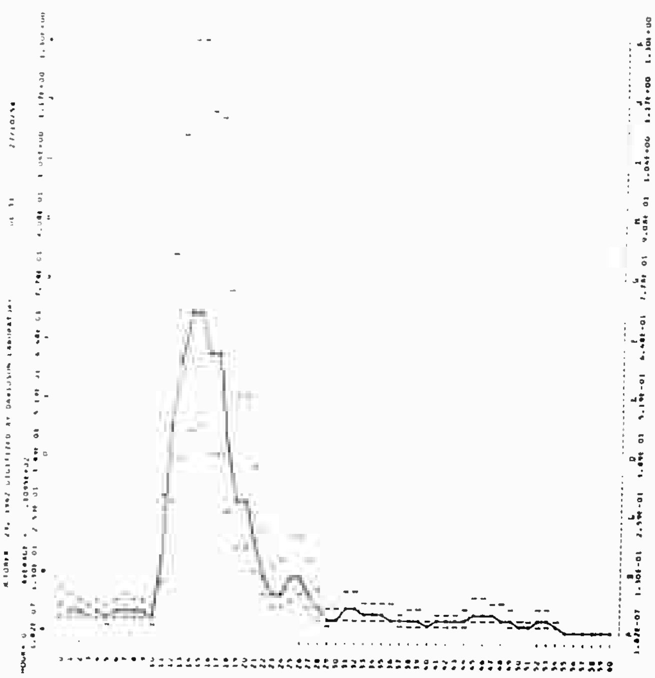
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0478	.0478	.0423	.0423	.0781	.0270
1	.006	.1227	.1227	.1173	.1173	.2162	.0747
2	.011	.1998	.1948	.1944	.1944	.3583	.1238
3	.017	.1576	.1576	.1526	.1562	.2862	.0988
4	.022	.0845	.0845	.0791	.0791	.1458	.0504
5	.028	.0357	.0357	[illegible]	[illegible]	.0558	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 27, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 AV. T= 6.7 RECORD = [illegible] 31
HOUR = 0 SIG.HGT. = 13.4 UPPER HGT. = 11.4
TOTAL OF =165 CORR. VAR. = 6.8 LOWER HGT. = 9.5
NOISE LEVEL = .0023 WIND SPEED = 20

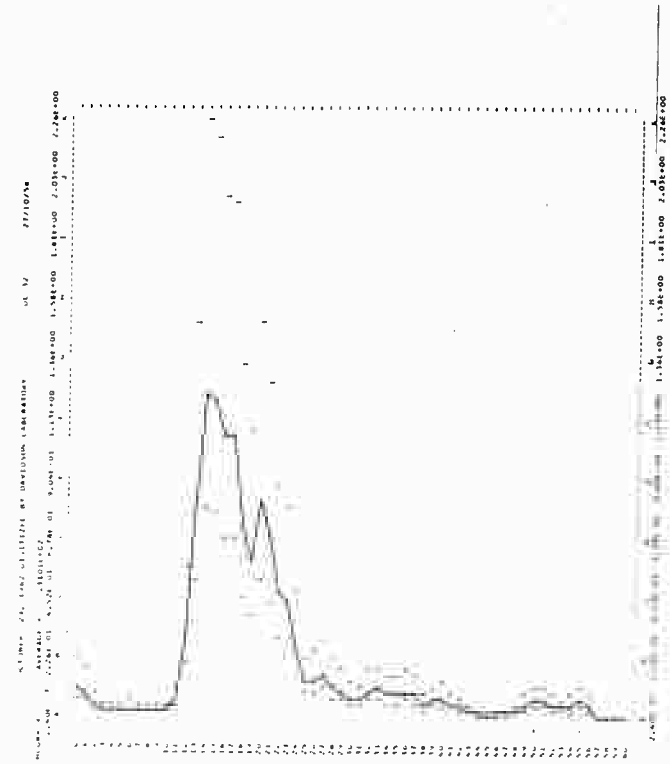
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0494	.0494	.0471	.0471	.0868	.0300
1	.006	.0461	.0461	.0438	.0438	.0807	.0279
2	.011	.0359	.0359	.0336	.0336	.0619	.0214
3	.017	.0335	.0335	.0313	.0313	.0576	.0199
4	.022	.0348	.0348	.0325	.0325	.0606	.0207
5	.028	.0272	.0272	.0250	.0250	.0460	.0159
6	.033	.0236	.0236	.0214	.0337	.0620	.0214
7	.039	.0341	.0341	.0318	.0422	.0778	.0269
8	.044	.0328	.0328	.0306	.0364	.0671	.0232
9	.050	.0334	.0334	.0311	.0346	.0637	.0220
10	.056	.0299	.0299	.0276	.0213	.0394	.0187
11	.061	.1573	.1573	.1551	[illegible]	.2965	.1026
12	.067	.4416	.4416	.4393	.4506	.8306	.2869
13	.072	.5776	.5776	.5753	[illegible]	1.0880	.3759
14	.078	.6799	.6799	.6777	.7016	1.2327	.4466
15	.083	.6714	.6714	.6691	.7035	1.2966	.4478
16	.089	.5813	.5813	.5790	.6157	1.1347	.3920
17	.094	.5578	.5578	.5555	.6129	1.1297	.3903
18	.100	.3595	.3595	.3572	.4067	.7496	.2590
19	.106	.2420	.2420	.2405	.2840	.5236	.1808
20	.111	.2328	.2328	.2305	.2832	.5218	.1802
21	.117	.1548	.1548	.1525	.1955	.3603	.1245
22	.122	.0898	.0898	.0875	.1175	.2165	.0748
23	.128	.0552	.0552	.0529	.0746	.1376	.0475
24	.133	.0583	.0583	.0560	.0833	.1535	.0530
25	.139	.0730	.0730	.0707	.1112	.2064	.0710
26	.144	.0711	.0711	.0689	.1149	.2117	.0731
27	.150	.0491	.0491	.0468	.0810	.1493	.0516
28	.156	.0271	.0271	.0248	.0470	.0866	.0299
29	.161	.0173	.0173	.0151	.0305	.0562	.0194
30	.167	.0168	.0168	.0145	.0315	.0581	.0201
31	.172	.0223	.0223	.0200	.0467	.0861	.0298
32	.178	.0212	.0212	.0190	.0477	.0880	.0304
33	.183	.0158	.0158	.0135	.0367	.0677	.0234
34	.189	.0134	.0134	.0111	.0328	.0605	.0209
35	.194	.0128	.0128	.0105	.0336	.0619	.0214
36	.200	.0115	.0115	.0092	.0320	.0590	.0204
37	.206	.0085	.0085	.0062	.0237	.0436	.0151
38	.211	.0084	.0084	.0061	.0253	.0467	.0161
39	.217	.0078	.0078	.0055	.0251	.0462	.0160
40	.222	.0058	.0058	.0035	.0175	.0322	.0111
41	.228	.0060	.0059	.0036	.0199	.0367	.0127
42	.233	.0056	.0056	.0034	.0207	.0382	.0132
43	.239	.0046	.0053	.0030	.0204	.0376	.0130
44	.244	.0065	.0063	.0040	.0301	.0556	.0192
45	.250	.0080	.0073	.0051	.0427	.0787	.0272
46	.256	.0068	.0068	.0045	.0427	.0786	.0272
47	.261	.0054	.0056	.0033	.0352	.0649	.0224
48	.267	.0051	.0049	.0027	.0317	.0584	.0202
49	.272	.0042	.0042	.0019	.0257	.0474	.0164
50	.278	.0028	.0033	.0010	.0152	.0280	.0097
51	.283	.0032	.0033	.0010	.0168	.0310	.0107
52	.289	.0042	.0038	.0015	.0288	.0531	.0184
53	.294	.0036	.0035	.0012	.0269	.0496	.0171
54	.300	.0025	.0027	.0004	.0109	.0201	.0069
55	.306	.0023	.0023	.0000	.0000	.0000	.0000
56	.311	.0021	.0020	.0000	.0000	.0000	.0000
57	.317	.0016	.0017	.0000	.0000	.0000	.0000
58	.322	.0013	.0013	.0000	.0000	.0000	.0000
59	.328	.0011	.0011	.0000	.0000	.0000	.0000
60	.333	.0011	.0011	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58	AV. T=	8.1	RECORD =	DL 32
HOUR = 9	SIG.HGT. =	14.0	UPPER HGT. =	15.1
TOTAL DF =174	CORR. VAR. =	12.3	LOWER HGT. =	12.8
	NOISE LEVEL =	.0068	WIND SPEED =	35

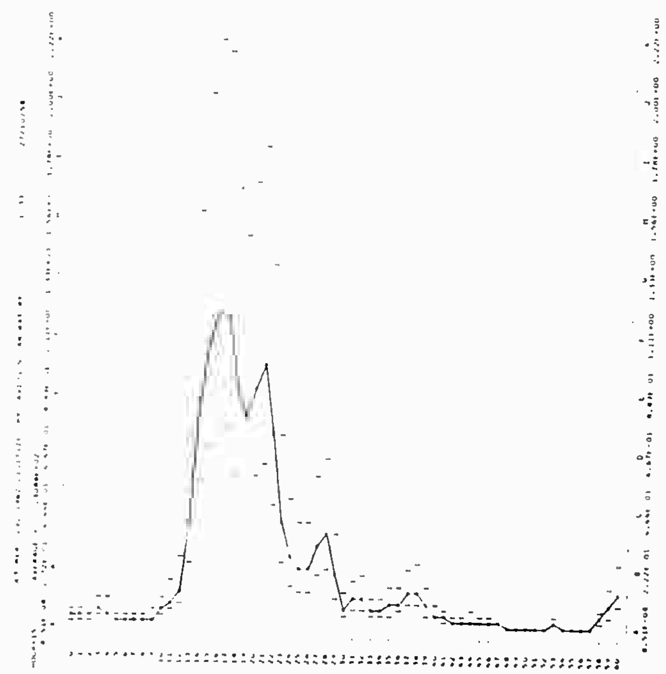
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1267	.1267	.1200	.1200	.2211	.0764
1	.006	.1003	.1003	.0936	.0936	.1725	.0594
2	.011	.0532	.0532	.0464	.0464	.0856	.0246
3	.017	.0338	.0338	.0270	.0270	.0497	.0172
4	.022	.0329	.0329	.0262	.0262	.0483	.0167
5	.028	.0277	.0277	.0209	.0209	.0385	.0133
6	.033	.0266	.0266	.0193	.0313	.0577	.0149
7	.039	.0275	.0275	.0208	.0276	.0509	.0176
8	.044	.0248	.0248	.0180	.0214	.0395	.0136
9	.050	.0264	.0264	.0196	.0218	.0402	.0139
10	.056	.0284	.0284	.0216	.0230	.0424	.0146
11	.061	.0713	.0713	.0645	.0669	.1234	.0426
12	.067	.3086	.3086	.3018	.3096	.5706	.1971
13	.072	.7948	.7948	.7880	.8085	1.4903	.5148
14	.078	1.1916	1.1916	1.1848	1.2263	2.2602	.7808
15	.083	1.1381	1.1381	1.1313	1.1894	2.1923	.7574
16	.089	1.0057	1.0057	.9989	1.0621	1.9577	.6763
17	.094	.9655	.9655	.9587	1.0579	1.9498	.6736
18	.100	.6420	.6420	.6352	.7231	1.3328	.4604
19	.106	.5033	.5033	.4965	.5862	1.0804	.3732
20	.111	.6666	.6666	.6598	.8105	1.4939	.5159
21	.117	.5383	.5383	.5316	.6813	1.2557	.4338
22	.122	.3616	.3616	.3548	.4763	.8780	.3033
23	.128	.3083	.3083	.3015	.4253	.7838	.2708
24	.133	.1801	.1801	.1734	.2578	.4752	.1642
25	.139	.0868	.0868	.0800	.1299	.2320	.0801
26	.144	.0898	.0898	.0831	.1386	.2554	.0882
27	.150	.0979	.0979	.0911	.1616	.2979	.1029
28	.156	.0724	.0724	.0656	.1242	.2289	.0791
29	.161	.0533	.0533	.0465	.0941	.1735	.0599
30	.167	.0388	.0388	.0320	.0695	.1280	.0442
31	.172	.0336	.0336	.0268	.0621	.1145	.0396
32	.178	.0450	.0450	.0382	.0963	.1774	.0613
33	.183	.0444	.0444	.0376	.1022	.1884	.0651
34	.189	.0359	.0359	.0291	.0856	.1582	.0546
35	.194	.0329	.0329	.0262	.0838	.1545	.0534
36	.200	.0346	.0346	.0278	.0971	.1790	.0618
37	.206	.0284	.0284	.0217	.0825	.1520	.0525
38	.211	.0181	.0181	.0114	.0475	.0875	.0302
39	.217	.0206	.0226	.0159	.0615	.1170	.0404
40	.222	.0218	.0218	.0150	.0751	.1395	.0482
41	.228	.0157	.0166	.0098	.0548	.1010	.0349
42	.233	.0152	.0133	.0065	.0430	.0796	.0255
43	.239	.0121	.0121	.0053	.0283	.0540	.0187
44	.244	.0081	.0084	.0022	.0164	.0301	.0104
45	.250	.0079	.0081	.0013	.0110	.0203	.0070
46	.256	.0084	.0082	.0014	.0135	.0244	.0084
47	.261	.0074	.0081	.0013	.0134	.0257	.0084
48	.267	.0092	.0091	.0023	.0278	.0513	.0177
49	.272	.0111	.0115	.0038	.0364	[illegible]	[illegible]
50	.278	.0109	.0108	.0040	.0435	[illegible]	[illegible]
51	.283	.0104	.0102	[illegible]	.0507	[illegible]	[illegible]
52	.289	.0087	.0036	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	.0083	.0085	[illegible]	.0182	[illegible]	[illegible]
54	.300	.0087	.0096	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	.0091	.0088	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	.0087	.0083	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	.0068	.0066	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	.0036	.0040	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	.0015	.0020	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	.0015	.0015	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 29, 1962 [illegible]

DATE = 27/10/58	[illegible]	[illegible]	[illegible]	[illegible]
HOUR = 15	[illegible]	[illegible]	UPPER HGT. =	15.8
TOTAL DF =182	[illegible]	[illegible]	LOWER HGT. =	[illegible]
	[illegible]	[illegible]	WIND SPEED =	35

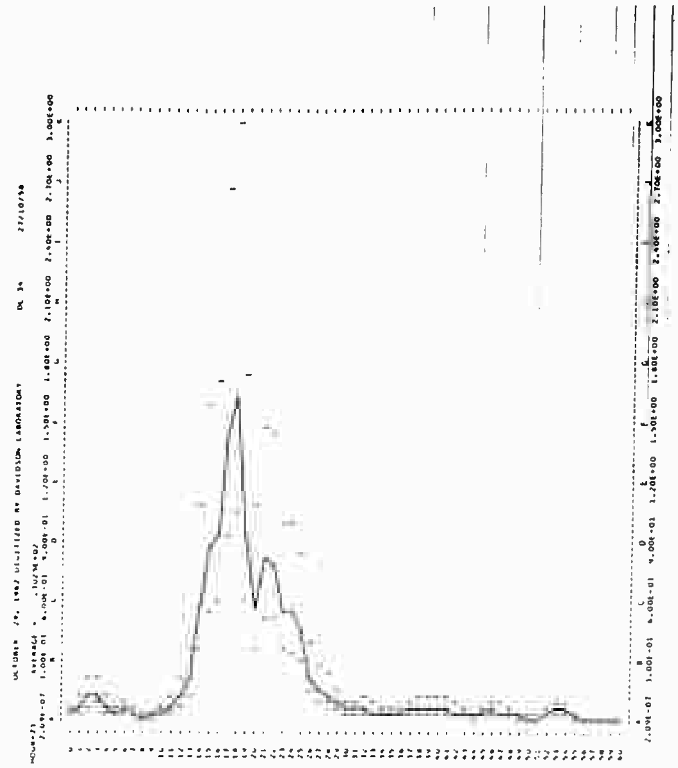
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 AV. T= 8.3 RECORD = DL 34
HOUR = 21 SIG.HGT. = 14.2 UPPER HGT. = 15.6
TOTAL DF =157 CORR. VAR. = 12.7 LOWER HGT. = 13.0
NOISE LEVEL = .0039 WIND SPEED = 30

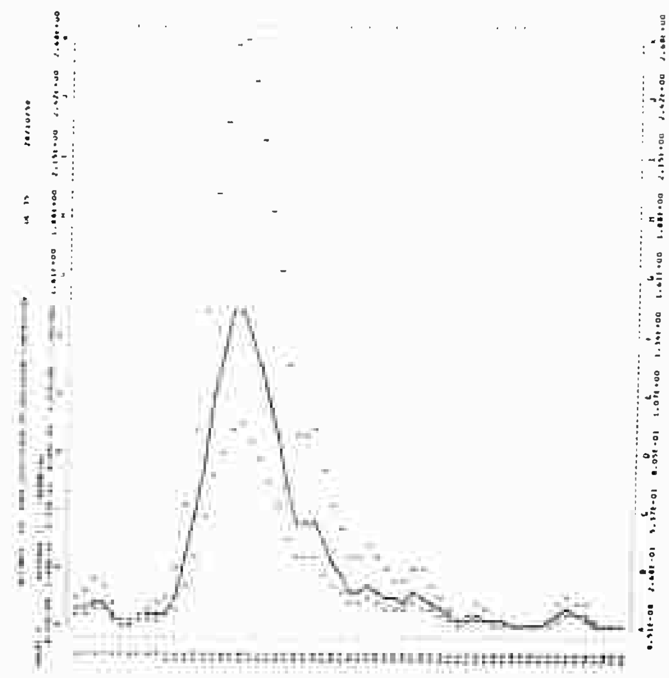
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0396	.0396	.0357	.0357	.0658	.0227
1	.006	.0661	.0661	.0621	.0621	.1145	.0346
2	.011	.1202	.1202	.1163	.1163	.2143	.0740
3	.017	.1243	.1243	.1204	.1204	.2219	.0767
4	.022	.0674	.0674	.0635	.0635	.1171	.0405
5	.028	.0369	.0369	.0330	.0330	.0608	.0210
6	.033	.0400	.0400	.0361	.0569	.1049	.0362
7	.039	.0282	.0282	.0243	.0323	.0595	.0206
8	.044	.0116	.0116	.0077	.0091	.0169	.0058
9	.050	.0176	.0176	.0137	.0152	.0279	.0097
10	.056	.0287	.0287	.0248	.0264	.0487	.0168
11	.061	.0634	.0634	.0595	.0617	.1138	.0393
12	.067	.1098	.1098	.1059	.1086	.2001	.0692
13	.072	.1976	.1976	.1937	.1987	.3663	.1265
14	.078	.5675	.5675	.5636	.5833	1.0751	.3714
15	.083	.8321	.8321	.8282	.8707	1.6049	.5544
16	.089	.8727	.8727	.8688	.9238	1.7026	.5882
17	.094	1.3192	1.3192	1.3153	1.4513	2.6750	.9241
18	.100	1.4336	1.4336	1.4297	1.6275	2.9998	1.0363
19	.106	.8003	.8003	.7964	.9401	1.7328	.5986
20	.111	.4801	.4801	.4762	.5848	1.0778	.3724
21	.117	.6274	.6274	.6235	.7991	1.4728	.5088
22	.122	.5896	.5896	.5857	.7862	1.4491	.5006
23	.128	.3890	.3890	.3851	.5432	1.0013	.3459
24	.133	.3655	.3655	.3616	.5378	.9912	.3424
25	.139	.2942	.2942	.2903	.4566	.8416	.2908
26	.144	.1331	.1331	.1292	.2156	.3973	.1373
27	.150	.0848	.0848	.0809	.1434	.2643	.0913
28	.156	.0691	.0691	.0652	.1233	.2272	.0785
29	.161	.0456	.0456	.0417	.0844	.1555	.0537
30	.167	.0270	.0270	.0231	.0500	.0922	.0319
31	.172	.0242	.0242	.0203	.0473	.0873	.0301
32	.178	.0277	.0277	.0238	.0600	.1135	.0382
33	.183	.0200	.0200	.0161	.0438	.0808	.0279
34	.189	.0128	.0128	.0089	.0261	.0482	.0166
35	.194	.0118	.0118	.0079	.0252	.0465	.0161
36	.200	.0141	.0141	.0102	.0355	.0655	.0226
37	.206	.0178	.0178	.0139	.0531	.0978	.0338
38	.211	.0204	.0204	.0165	.0687	.1266	.0437
39	.217	.0186	.0186	.0147	.0672	.1239	.0428
40	.222	.0176	.0176	.0136	.0688	.1267	.0438
41	.228	.0157	.0150	.0111	.0619	.1142	.0394
42	.233	.0105	.0112	.0073	.0448	.0827	.0286
43	.239	.0076	.0081	.0042	.0289	.0533	.0184
44	.244	.0063	.0070	.0031	.0235	.0433	.0149
45	.250	.0079	.0078	.0039	.0326	.0601	.0208
46	.256	.0099	.0089	.0050	.0475	.0876	.0303
47	.261	.0081	.0081	.0042	.0444	.0819	.0283
48	.267	.0062	.0064	.0025	.0248	.0549	.0190
49	.272	.0052	.0053	.0014	.0181	.0333	.0115
50	.278	.0040	.0044	.0005	.0082	.0150	.0052
51	.283	.0043	.0046	.0007	.0118	.0218	.0075
52	.289	.0064	.0059	.0020	.0382	.0704	.0243
53	.294	.0068	.0064	.0025	.0554	.1021	.0353
54	.300	.0058	.0057	.0018	.0458	.0844	.0292
55	.306	.0047	.0047	.0008	.0216	.0399	.0138
56	.311	.0033	.0034	.0000	.0000	.0000	.0000
57	.317	.0021	.0024	.0000	.0000	.0000	.0000
58	.322	.0018	.0019	.0000	.0000	.0000	.0000
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0022	.0021	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58 AV. T= 8.0 RECORD = DL 35
HOUR = 9 SIG.HGT. = 16.6 UPPER HGT. = 18.0
TOTAL DF =200 CORR. VAR. = 17.3 LOWER HGT. = 15.1
NOISE LEVEL = .0128 WIND SPEED = 30

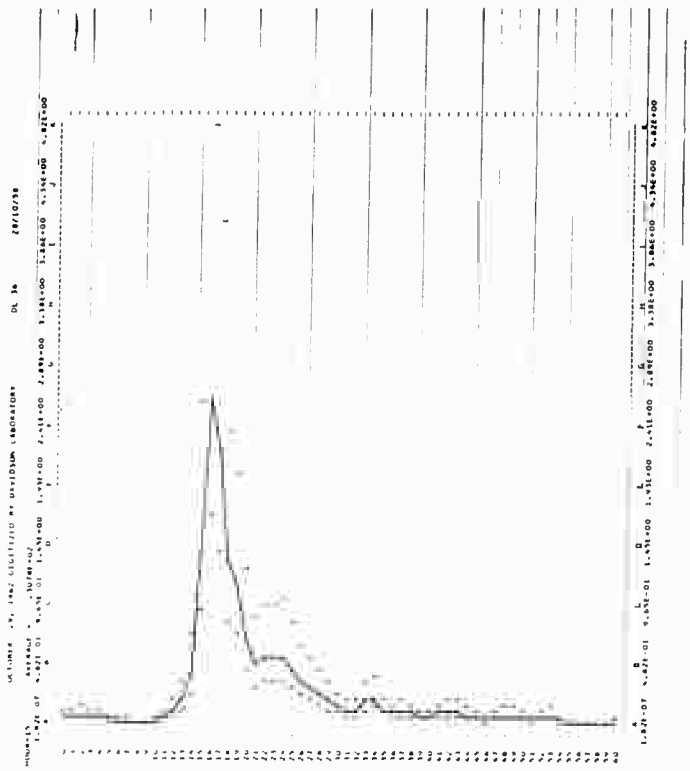
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0831	.0831	.0701	.0705	.1296	.0444
1	.006	.1020	.1020	.0893	.0893	.1645	.0568
2	.011	.1316	.1316	.1189	.1189	.2191	.0757
3	.017	.1188	.1188	.1061	.1061	.1955	.0675
4	.022	.0447	.0447	.0319	.0519	.0957	.0331
5	.028	.0237	.0237	.0109	.0109	.0201	.0070
6	.033	.0188	.0188	.0060	.0095	.0176	.0061
7	.039	.0368	.0368	.0240	.0314	.0588	.0203
8	.044	.0532	.0532	.0404	.0481	.0887	.0306
9	.050	.0631	.0631	.0504	.0559	.1030	.0356
10	.056	.0747	.0747	.0620	.0659	.1214	.0420
11	.061	.1489	.1489	.1361	.1418	.2404	.0899
12	.067	.3175	.3175	.3048	.3126	.5761	.1990
13	.072	.4989	.4989	.4862	.4988	.9194	.3176
14	.078	.7719	.7719	.7592	.7858	1.4485	.5003
15	.083	1.0425	1.0425	1.0297	1.0827	1.4955	.6894
16	.089	1.1895	1.1895	1.1767	1.2512	2.3062	.7967
17	.094	1.3243	1.3243	1.3115	1.4471	2.6672	.9214
18	.100	1.2918	1.2918	1.2790	1.4561	2.6837	.9271
19	.106	1.1962	1.1962	1.1415	1.3475	2.4836	.8580
20	.111	1.0009	1.0009	.9877	1.2120	2.2356	.7723
21	.117	.8265	.8265	.8117	1.0404	1.9176	.6625
22	.122	.6755	.6755	.6628	.8897	1.6398	.5665
23	.128	.4750	.4750	.4622	.6526	1.2017	.4152
24	.133	.3405	.3405	.3277	.4875	.8982	.3103
25	.139	.3217	.3217	.3089	.4850	.8956	.3094
26	.144	.3097	.3017	.2970	.4855	.9111	.3155
27	.150	.2367	.2367	.2240	.3972	.7321	.2529
28	.156	.1749	.1749	.1621	.3067	.5653	.1953
29	.161	.1372	.1372	.1245	.2518	.4642	.1604
30	.167	.0901	.0901	.0773	.1670	.3093	.1069
31	.172	.0863	.0863	.0736	.1716	.3163	.1093
32	.178	.0916	.0916	.0788	.1986	.3658	.1263
33	.183	.0767	.0767	.0640	.1739	.3205	.1107
34	.189	.0616	.0616	.0488	.1440	.2654	.0917
35	.194	.0505	.0505	.0378	.1209	.2229	.0770
36	.200	.0464	.0464	.0337	.1175	.2166	.0748
37	.206	.0526	.0526	.0398	.1517	.2795	.0966
38	.211	.0481	.0481	.0353	.1472	.2714	.0938
39	.217	.0362	.0362	.0234	.1072	.1977	.0683
40	.222	.0286	.0286	.0159	.0799	.1471	.0509
41	.228	.0181	.0201	.0075	.0419	.0771	.0266
42	.233	.0137	.0158	.0031	.0189	.0348	.0120
43	.239	.0186	.0177	.0049	.0335	.0617	.0213
44	.244	.0219	.0199	.0071	.0542	.0998	.0345
45	.250	.0162	.0172	.0044	.0372	.0686	.0237
46	.256	.0136	.0144	.0017	.0157	.0289	.0100
47	.261	.0156	.0144	.0017	.0175	.0322	.0111
48	.267	.0122	.0130	.0002	.0025	.0047	.0016
49	.272	.0119	.0120	.0000	.0000	.0000	.0000
50	.278	.0135	.0128	.0001	.0012	.0022	.0008
51	.283	.0126	.0129	.0002	.0026	.0048	.0017
52	.289	.0131	.0135	.0007	.0137	.0252	.0087
53	.294	.0161	.0153	.0026	.0563	.1038	.0359
54	.300	.0155	.0156	.0028	.0711	.1319	.0456
55	.306	.0150	.0150	.0023	.0647	.1192	.0412
56	.311	.0152	.0146	.0018	.0597	.1100	.0380
57	.317	.0128	.0130	.0002	.0087	.0160	.0055
58	.322	.0113	.0112	.0000	.0000	.0000	.0000
59	.328	.0087	.0091	.0000	.0000	.0000	.0000
60	.333	.0062	.0074	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58	AV. T =	7.9	RECORD =	DL 36
HOUR = 15	SIG.HGT. =	16.0	UPPER HGT. =	21.2
TOTAL DF =134	CORR. VAR. =	16.0	LOWER HGT. =	14.5
	NOISE LEVEL =	.0076	WIND SPEED =	35

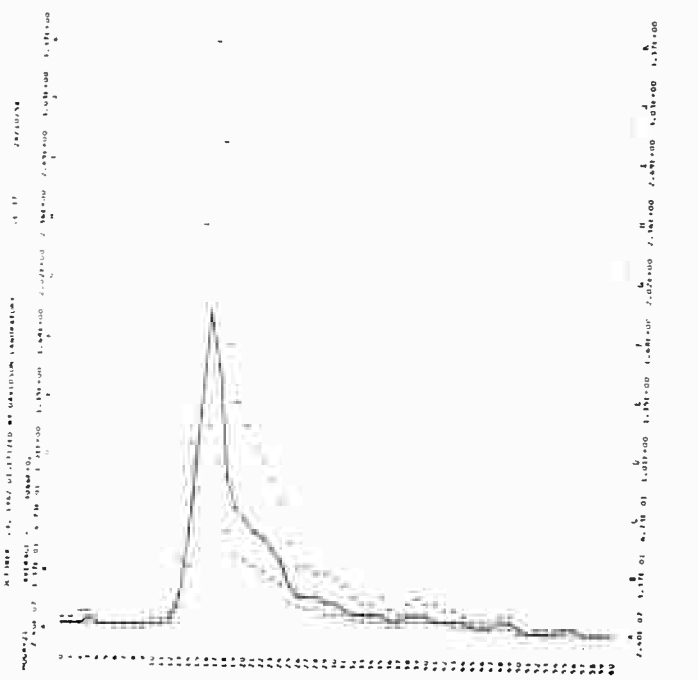
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0543	.0543	.0467	.0467	.0861	.0297
1	.006	.0657	.0657	.0581	.0581	.1071	.0370
2	.011	.0754	.0754	.0678	.0678	.1250	.0432
3	.017	.0689	.0689	.0612	.0612	.1129	.0390
4	.022	.0545	.0545	.0468	.0468	.0863	.0298
5	.028	.0321	.0321	.0245	.0245	.0452	.0156
6	.033	.0204	.0204	.0128	.0202	.0372	.0128
7	.039	.0221	.0221	.0145	.0192	.0354	.0122
8	.044	.0167	.0167	.0091	.0108	.0199	.0069
9	.050	.0140	.0140	.0064	.0071	.0131	.0045
10	.056	.0276	.0276	.0200	.0213	.0392	.0135
11	.061	.0591	.0591	.0515	.0534	.0985	.0340
12	.067	.1094	.1094	.1017	.1043	.1923	.0664
13	.072	.1874	.1874	.1798	.1844	.3399	.1174
14	.078	.3858	.3858	.3782	.3914	.7214	.2492
15	.083	1.3563	1.3563	1.3487	1.4180	2.6137	.9029
16	.089	2.4690	2.4690	2.4613	2.6171	4.8238	1.6664
17	.094	1.9996	1.9996	1.9920	2.1979	4.0511	1.3995
18	.100	1.1417	1.1417	1.1341	1.2910	2.3795	.8220
19	.105	.9422	.9422	.9346	1.1033	2.0335	.7025
20	.111	.5722	.5722	.5646	.6933	1.2779	.4415
21	.117	.3656	.3656	.3580	.4588	.8456	.2921
22	.122	.3903	.3903	.3826	.5137	.9468	.3271
23	.128	.3704	.3704	.3628	.5117	.9431	.3258
24	.133	.3728	.3728	.3652	.5430	1.0009	.3458
25	.139	.2943	.2943	.2867	.4510	.8313	.2872
26	.144	.2129	.2129	.2053	.3425	.6312	.2181
27	.150	.1712	.1712	.1636	.2901	.5347	.1847
28	.156	.1267	.1267	.1191	.2253	.4153	.1435
29	.161	.0926	.0926	.0850	.1719	.3168	.1094
30	.167	.0685	.0685	.0609	.1321	.2434	.0841
31	.172	.0501	.0501	.0425	.0991	.1827	.0631
32	.178	.0496	.0496	.0419	.1055	.1945	.0672
33	.183	.0765	.0765	.0687	.1867	.3440	.1189
34	.189	.0775	.0775	.0698	.2058	.3794	.1311
35	.194	.0437	.0437	.0361	.1155	.2129	.0736
36	.200	.0297	.0297	.0221	.0772	.1423	.0491
37	.206	.0319	.0319	.0242	.0923	.1702	.0588
38	.211	.0259	.0259	.0182	.0760	.1401	.0484
39	.217	.0165	.0165	.0089	.0409	.0753	.0260
40	.222	.0163	.0163	.0087	.0436	.0804	.0278
41	.228	.0232	.0218	.0142	.0787	.1451	.0501
42	.233	.0267	.0245	.0169	.1041	.1918	.0663
43	.239	.0215	.0216	.0139	.0950	.1750	.0605
44	.244	.0154	.0165	.0088	.0671	.1237	.0427
45	.250	.0137	.0136	.0060	.0504	.0928	.0321
46	.256	.0106	.0116	.0040	.0376	.0694	.0240
47	.261	.0117	.0116	.0040	.0421	.0776	.0268
48	.267	.0148	.0134	.0058	.0686	.1264	.0437
49	.272	.0128	.0127	.0051	.0681	.1254	.0433
50	.278	.0098	.0125	.0029	.0414	.0764	.0276
51	.283	.0092	.0096	.0020	.0341	.0629	.0217
52	.289	.0108	.0104	.0028	.0533	.0982	.0339
53	.294	.0120	.0109	.0032	.0712	.1312	.0453
54	.300	.0084	.0087	.0012	.0256	.0472	.0163
55	.306	.0050	.0053	.0000	.0000	.0000	.0000
56	.311	.0050	.0051	.0000	.0000	.0000	.0000
57	.317	.0054	.0054	.0000	.0000	.0000	.0000
58	.322	.0056	.0056	.0000	.0006	.0004	.0000
59	.328	.0069	.0064	.0000	.0000	.0000	.0000
60	.333	.0091	.0080	.0004	.0223	.0411	.0142



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58	AV. T =	[illegible]	RECORD =	DL 37
HOUR = 21	SIG.HGT. =	[illegible]	UPPER HGT. =	[illegible]
TOTAL DF =134	CORR. VAR. =	[illegible]	LOWER HGT. =	[illegible]
	NOISE LEVEL =	[illegible]	WIND SPEED =	30

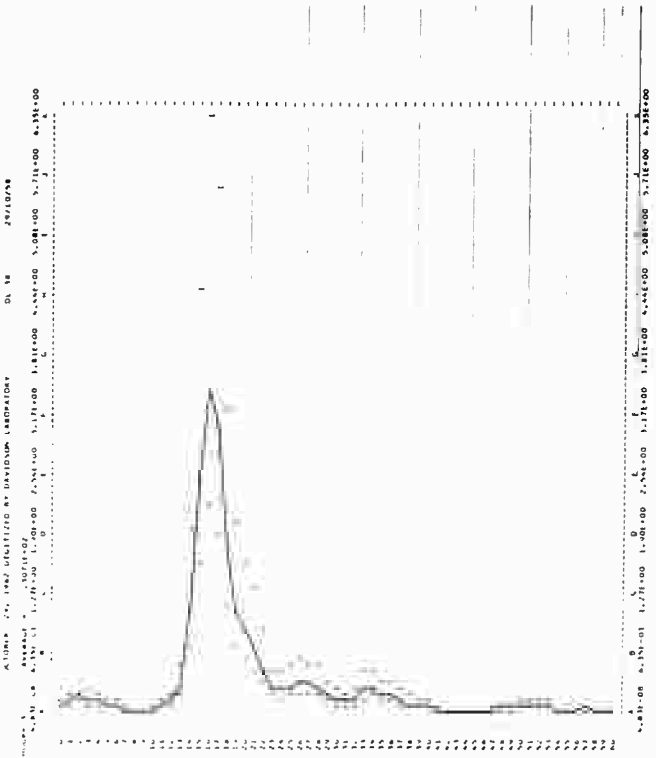
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	[illegible]	.5625	.5625	[illegible]	[illegible]	[illegible]	.3676
15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2.7984	[illegible]
18	[illegible]	.7850	.7850	[illegible]	[illegible]	[illegible]	.5656
19	[illegible]	.6283	.6283	[illegible]	[illegible]	[illegible]	.6515
20	[illegible]	.5255	.5255	.5224	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.3375
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.2542
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	.1255	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1208
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	.0038	[illegible]	[illegible]	[illegible]
47	[illegible]	[illegible]	[illegible]	.0041	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	.0050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	.0060	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	.0050	[illegible]	[illegible]	.0218	[illegible]	[illegible]
57	.317	.0044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	.0040	[illegible]	.0000	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	.0000	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	.0000	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58	AV. T=	8.6	RECORD =	OL 38
HOUR = 3	SIG.HGT. =	17.9	UPPER HGT. =	19.9
TOTAL DF =114	CORR. VAR. =	20.0	LOWER HGT. =	16.1
	NOISE LEVEL =	.0119	WIND SPEED =	30

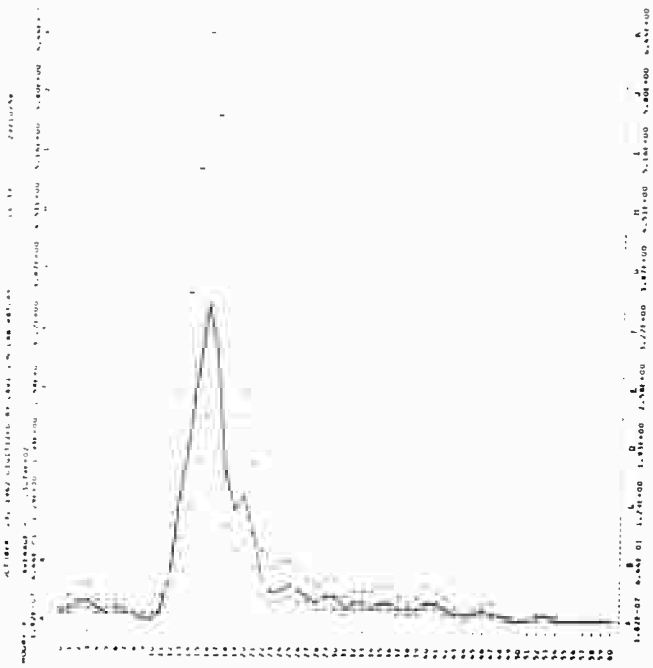
N	FRE.	UNIT-FT,2	FILTERED	LESS NOISE	CORR.FT,2	UPPER	LOWER
0	.000	.0731	.0731	.0612	.0612	.1128	.0390
1	.006	.1247	.1247	.1128	.1128	.2079	.0718
2	.011	.1794	.1794	.1675	.1675	.3087	.1066
3	.017	.1608	.1608	.1488	.1488	.2743	.0948
4	.022	.1281	.1281	.1161	.1161	.2141	.0740
5	.028	.0945	.0945	.0826	.0826	.1523	.0526
6	.033	.0467	.0467	.0347	.0547	.1009	.0348
7	.039	.0264	.0264	.0145	.0192	.0354	.0122
8	.044	.0192	.0192	.0073	.0086	.0159	.0055
9	.050	.0185	.0185	.0066	.0073	.0134	.0046
10	.056	.0317	.0317	.0197	.0210	.0387	.0134
11	.061	.0694	.0694	.0574	.0596	.1098	.0379
12	.067	.1066	.1066	.0947	.0971	.1790	.0618
13	.072	.2763	.2763	.2644	.2713	.5000	.1727
14	.078	1.0519	1.0519	1.0400	1.0764	1.9839	.6854
15	.083	2.3476	2.3476	2.3357	2.4558	4.5263	1.5637
16	.089	3.2520	3.2520	3.2401	3.4452	6.3499	2.1937
17	.094	2.7477	2.7477	2.7357	3.0186	5.5637	1.9221
18	.100	1.5631	1.5631	1.5512	1.7659	3.2548	1.1244
19	.106	.9493	.9493	.9374	1.1066	2.0397	.7046
20	.111	.7249	.7249	.7130	.8755	1.6137	.5575
21	.117	.5808	.5808	.5689	.7291	1.3438	.4643
22	.122	.3599	← .3599	.3480	.4671	.8610	.2974
23	.128	.1949	.1949	.1830	.2581	.4756	.1643
24	.133	.1677	.1677	.1558	.2316	.4270	.1475
25	.139	.1841	.1841	.1722	.2708	.4992	.1725
26	.144	.1940	.1940	.1821	.3037	.5599	.1934
27	.150	.1770	.1770	.1651	.2928	.5396	.1864
28	.156	.1533	.1533	.1414	.2675	.4930	.1703
29	.161	.0996	.0996	.0876	.1773	.3268	.1129
30	.167	.0701	.0701	.0581	.1262	.2325	.0803
31	.172	.0585	.0585	.0466	.1087	.2003	.0692
32	.178	.0659	.0659	.0539	.1357	.2502	.0864
33	.183	.1000	.1000	.0881	.2394	.4413	.1524
34	.189	.0968	.0968	.0849	.2502	.4611	.1593
35	.194	.0693	.0693	.0573	.1836	.3384	.1169
36	.200	.0576	.0576	.0457	.1596	.2941	.1016
37	.206	.0442	.0442	.0323	.1230	.2266	.0783
38	.211	.0339	.0339	.0220	.0918	.1692	.0585
39	.217	.0280	.0280	.0161	.0736	.1356	.0468
40	.222	.0231	.0231	.0112	.0561	.1034	.0357
41	.228	.0166	.0179	.0059	.0287	.0547	.0189
42	.233	.0120	.0132	.0012	.0077	.0141	.0049
43	.239	.0135	.0123	.0004	.0021	.0039	.0013
44	.244	.0096	.0104	.0000	.0000	.0000	.0000
45	.250	.0073	.0089	.0000	.0000	.0000	.0000
46	.256	.0121	.0116	.0000	.0000	.0000	.0000
47	.261	.0154	.0145	.0026	.0277	.0511	.0176
48	.267	.0164	.0151	.0032	[illegible]	[illegible]	.0241
49	.272	.0152	.0151	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	.0161	.0154	.0040	.0406	[illegible]	[illegible]
51	.283	.0162	.0162	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	.0168	.0162	[illegible]	.0426	.1521	[illegible]
53	.294	.0157	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	.0168	[illegible]	[illegible]	[illegible]	.0000	.0000
55	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0000	.0000
56	.311	.0114	[illegible]	[illegible]	[illegible]	.0000	.0000
57	.317	.0142	.0174	[illegible]	[illegible]	[illegible]	.0226
58	.322	.0116	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	.0080	.0087	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	.0274	[illegible]	[illegible]	[illegible]	[illegible]	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 [illegible]

DATE = 29/10/58	AV. T=	[illegible]	RECORD =	[illegible]
HOUR = 4	SIG.HGT. =	[illegible]	UPPER HGT. =	[illegible]
TOTAL DF =162	CORR. VAR. =	[illegible]	LOWER HGT. =	[illegible]
	NOISE LEVEL =	[illegible]	WIND SPEED =	[illegible]

N	FRE.	UNIT-FT,2	FILTERED	LESS NOISE	CORR.FT,2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



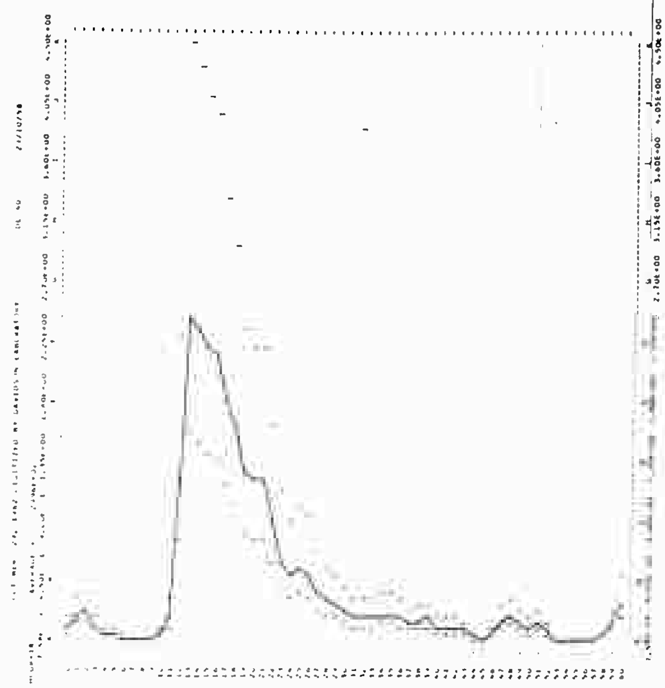
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58 HOUR = 18 TOTAL OF =184

AV. T= 7.9 SIG.HGT. = 20.1 CORR. VAR. = 25.7 NOISE LEVEL = .0171

RECORD = OL 40 UPPER HGT. = 22.1 LOWER HGT. = 18.6 WIND SPEED = 30

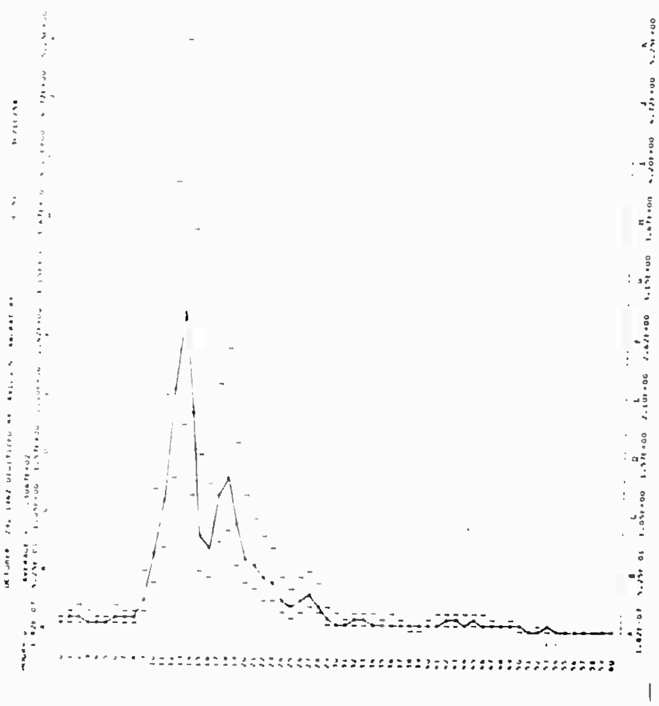
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1191	.1191	.1020	.1020	.1881	.0650
1	.006	.1941	.1941	.1770	.1770	.3263	.1127
2	.011	.2230	.2210	.2059	.2059	.3795	.1311
3	.017	.1249	.1249	.1079	.1079	.1988	.0687
4	.022	.0769	.0769	.0599	.0599	.1103	.0381
5	.028	.0610	.0610	.0439	.0439	.0809	.0280
6	.033	.0269	.0269	.0078	.0155	.0285	.0099
7	.039	.0122	.0122	.0000	.0000	.0000	.0000
8	.044	.0153	.0153	.0000	.0000	.0000	.0000
9	.050	.0273	.0273	.0102	.0113	.0208	.0072
10	.056	.0525	.0525	.0354	.0377	.0694	.0240
11	.061	.1836	.1836	.1665	.1727	.3184	.1100
12	.067	1.2229	1.2229	1.2058	1.2368	2.2796	.7875
13	.072	2.3969	2.3969	2.3798	2.4417	4.5306	1.5547
14	.078	2.2742	2.2742	2.2571	2.3161	4.3057	1.4875
15	.083	2.1249	2.1249	2.1078	2.2161	4.0847	1.4111
16	.089	2.0400	2.0400	2.0229	2.1509	3.9665	1.3698
17	.094	1.6586	1.6586	1.6415	1.8112	3.3386	1.1533
18	.100	1.4380	1.4380	1.4209	1.6175	2.9813	1.0299
19	.106	1.0993	1.0993	1.0822	1.2775	2.3547	.8135
20	.111	1.0003	1.0003	.9832	1.2019	2.2155	.7658
21	.117	.9514	.9514	.9343	1.1475	2.2372	.7625
22	.122	.6763	.6763	.6592	.8844	1.6310	.5635
23	.128	.4471	.4471	.4300	.6069	1.1178	.3862
24	.133	.3453	.3453	.3282	.4481	.8437	.3108
25	.139	.3590	.3590	.3419	.5579	.9913	.3425
26	.144	.3242	.3242	.3071	.5126	.9445	.3261
27	.150	.2300	.2300	.2129	.3776	.6954	.2404
28	.156	.1737	.1737	.1967	.2966	.5461	.1887
29	.161	.1463	.1463	.1292	.2616	.4814	.1665
30	.167	.1190	.1190	.1019	.2211	.4075	.1408
31	.172	.0917	.0917	.0746	.1746	.3209	.1108
32	.178	.0804	.0804	.0633	.1536	.2950	.1015
33	.183	.0808	.0808	.0637	.1712	.3162	.1093
34	.189	.0815	.0815	.0644	.1844	.3395	.1204
35	.194	.0768	.0768	.0597	.1782	.3525	.1219
36	.200	.0633	.0633	.0462	.1613	.2472	.1027
37	.206	.0487	.0487	.0316	.1225	.2217	.0766
38	.211	.0500	.0500	.0324	.1372	.2524	.0876
39	.217	.0515	.0515	.0344	.1578	.2878	.0995
40	.222	.0380	.0380	.0204	.1052	.1938	.0670
41	.228	.0318	.0337	.0166	.0825	.1526	[illegible]
42	.233	.0359	.0332	.0161	[illegible]	[illegible]	[illegible]
43	.239	.0361	.0245	[illegible]	[illegible]	.1556	[illegible]
44	.244	.0185	.0212	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	.0151	.0178	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0217	.0222	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	.0357	.0331	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	.0365	.0321	[illegible]	[illegible]	.3332	.1151
49	.272	.0265	.0267	.0206	.7702	[illegible]	[illegible]
50	.278	[illegible]	.0231	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	.0254	.0239	[illegible]	[illegible]	[illegible]	.0719
52	.289	.0216	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	.0193	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	.0124	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	.0207	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	.0150	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	.0175	.0174	.0019	.0355	.0575	.0233
59	.328	.0144	.0148	[illegible]	[illegible]	.2697	[illegible]
60	.333	.0236	.0217	[illegible]	[illegible]	.0464	[illegible]



SPECTRA HINDCASTING OCTOBER [illegible] DIGITIZED BY DAVIDSON LABORATORY

DATE = [illegible] HOUR = [illegible] TOTAL OF =152

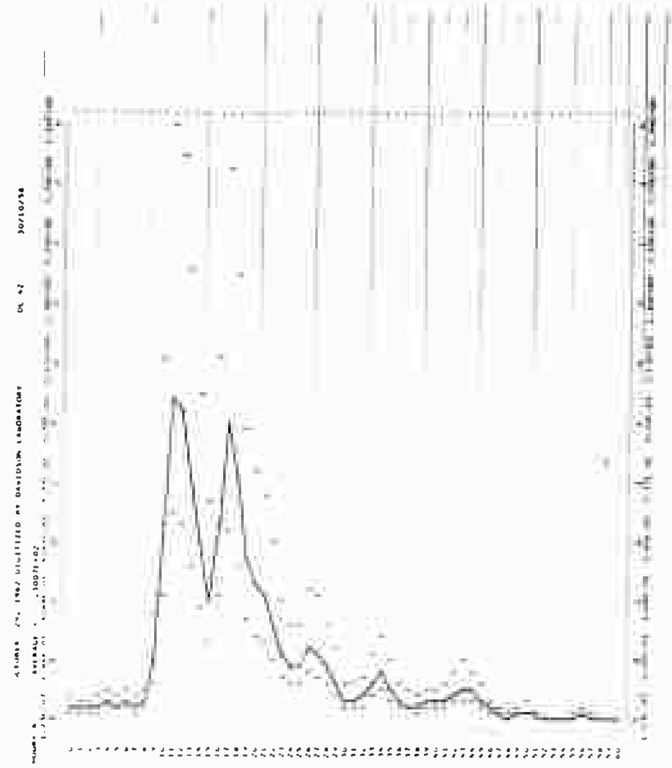
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	[illegible]	.2596	[illegible]	[illegible]	[illegible]	[illegible]
1	.006	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2	.011	[illegible]	[illegible]	.1126	[illegible]	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	.0555	.0555	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	.2535	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	[illegible]	[illegible]	.0768	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	.4172	.4172	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	.1872	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	[illegible]	.0185	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	.0076	.0074	.0023	.0351	.0644	.0223
51	.283	.0055	.0063	.0036	.0108	.0201	.0070
52	.289	.0072	.0067	.0011	.0213	.0401	.0139
53	.294	.0079	.0072	.0014	.0355	.0655	.0226
54	.300	.0054	.0060	.0004	.0091	.0171	.0059
55	.306	.0052	.0051	.0000	.0000	.0000	.0000
56	.311	.0061	.0057	.0001	.0017	.0031	.0011
57	.317	.0044	.0050	.0000	.0000	.0000	.0000
58	.322	.0038	.0042	.0000	.0000	.0000	.0000
59	.328	.0048	.0047	.0000	.0000	.0000	.0000
60	.333	.0054	.0056	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 30/10/58 AV. T= 8.7 RECORD = DL 42
HOUR = 6 SIG.HGT. = 13.7 UPPER HGT. = 14.9
TOTAL DF =205 CORR. VAR. = 11.8 LOWER HGT. = 12.7
NOISE LEVEL = .0045 WIND SPEED = 15

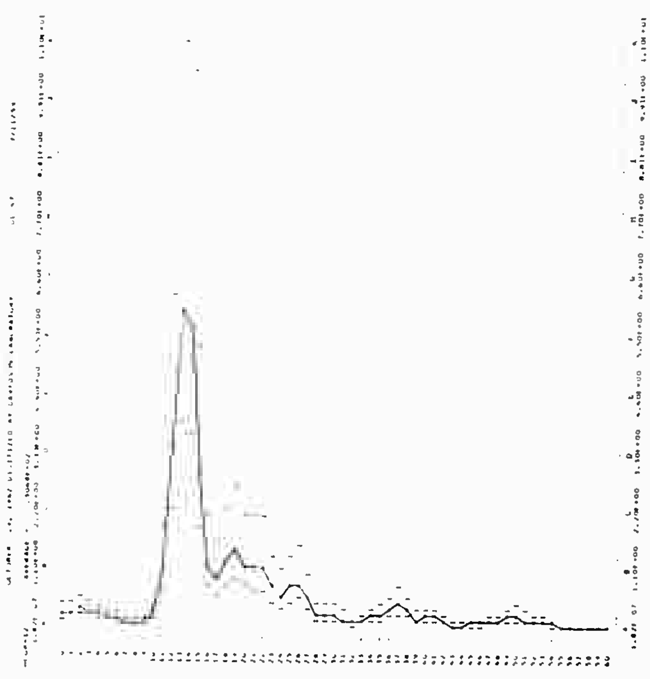
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR,FT.2	UPPER	LOWER
0	.000	.0437	.0437	.0391	.0391	.0721	.0249
1	.006	.0401	.0401	.0356	.0356	.0656	.0227
2	.011	.0358	.0358	.0313	.0313	.0576	.0199
3	.017	.0454	.0454	.0408	.0408	.0753	.0260
4	.022	.0577	.0577	.0531	.0531	.0979	.0338
5	.028	.0517	.0517	.0471	.0471	.0869	.0300
6	.033	.0396	.0396	.0350	.0552	.1017	.0351
7	.039	.0356	.0356	.0310	.0412	.0759	.0262
8	.044	.0485	.0485	.0440	.0524	.0965	.0333
9	.050	.1790	.1790	.1744	.1936	.3568	.1231
10	.056	.6093	.6093	.6048	.6429	1.1849	.4093
11	.061	1.0204	1.0204	1.0158	1.0539	1.9425	.6711
12	.067	.9851	.9851	.9806	1.0058	1.8538	.6404
13	.072	.7804	.7804	.7759	.7960	1.4672	.5069
14	.078	.5643	.5643	.5598	.5794	1.0679	.3689
15	.083	.3763	.3763	.3717	.3908	.7204	.2489
16	.089	.6084	.6084	.6039	.6421	1.1835	.4088
17	.094	.8972	.8922	.8876	.9794	1.8052	.6236
18	.100	.6966	.6966	.6921	.7876	1.4521	.5016
19	.106	.4424	.4424	.4379	.5169	.9528	.3292
20	.111	.3609	.3609	.3564	.4376	.8066	.2786
21	.117	.3154	.3154	.3109	.3985	.7344	.2537
22	.122	.2375	.2375	.2329	.3127	.5763	.1991
23	.128	.1564	.1564	.1519	.2141	.3949	.1364
24	.133	.1182	.1182	.1137	.1690	.3116	.1076
25	.139	.1147	.1147	.1101	.1732	.3191	.1101
26	.144	.1451	.1451	.1406	.2345	.4323	.1493
27	.150	.1293	.1293	.1248	.2215	.4079	.1409
28	.156	.0953	.0953	.0908	.1717	.3165	.1093
29	.161	.0651	.0651	.0605	.1224	.2256	.0779
30	.167	.0326	.0326	.0280	.0608	.1121	.0387
31	.172	.0305	.0305	.0259	.0604	.1114	.0385
32	.178	.0345	.0345	.0299	.0753	.1388	.0480
33	.183	.0461	.0461	.0415	.1128	.2080	.0719
34	.189	.0550	.0550	.0504	.1487	.2741	.0947
35	.194	.0372	.0372	.0327	.1047	.1929	.0667
36	.200	.0223	.0223	.0178	.0620	.1144	.0395
37	.206	.0173	.0173	.0127	.0484	.0893	.0308
38	.211	.0151	.0151	.0105	.0439	.0808	.0279
39	.217	.0168	.0168	.0122	.0560	.1032	.0356
40	.222	.0150	.0150	.0105	.0528	.0973	.0336
41	.228	.0156	.0156	.0111	.0616	.1135	.0392
42	.233	.0194	.0182	.0136	.0838	.1545	.0536
43	.239	.0207	.0193	.0147	.1003	.1864	.0639
44	.244	.0162	.0162	.0117	.0886	.1616	.0564
45	.250	.0115	.0118	.0073	.0618	.1138	.0393
46	.256	.0076	.0082	.0037	.0347	.0639	.0221
47	.261	.0057	.0061	.0015	.0161	.0297	.0103
48	.267	.0048	.0053	.0007	.0084	.0156	.0054
49	.272	.0063	.0058	.0012	.0162	.0298	.0103
50	.278	.0070	.0063	.0018	.0266	.0494	.0171
51	.283	.0091	.0054	.0004	.0144	.0264	.0045
52	.289	.0047	.0045	.0000	.0000	.0000	.0000
53	.294	.0045	.0044	.0000	.0000	.0000	.0000
54	.300	.0045	.0046	.0000	.0011	.0021	.0007
55	.306	.0048	.0048	.0003	.0072	.0133	.0046
56	.311	.0053	.0050	.0005	.0162	.0299	.0103
57	.317	.0049	.0048	.0002	.0087	.0161	.0055
58	.322	.0038	.0040	.0002	.0000	.0004	.0000
59	.328	.0037	.0038	.0000	.0000	.0000	.0000
60	.333	.0045	.0041	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/58 AV. T= 8.7 RECORD = [illegible]
HOUR = 12 SIG.HGT. = 24.2 UPPER HGT. = 26.7
TOTAL DF =131 CORR. VAR. = 36.6 LOWER HGT. = 21.6
NOISE LEVEL = [illegible] WIND SPEED = [illegible]

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR,FT.2	UPPER	LOWER
0	.000	.2266	.2266	.2122	[illegible]	[illegible]	[illegible]
1	.006	.2795	.2795	.2652	[illegible]	[illegible]	[illegible]
2	.011	.3275	.3275	[illegible]	[illegible]	[illegible]	[illegible]
3	.017	.2820	.2820	[illegible]	[illegible]	[illegible]	[illegible]
4	.022	.2209	.2209	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	.3462	.3462	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	.4452	.4452	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	5.0367	5.0367	5.0223	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	2.7662	2.7662	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	1.0060	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	.8566	.8566	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	1.2076	1.2076	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	.5268	.5268	[illegible]	[illegible]	[illegible]	[illegible]
24	.133	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	.6751	.6751	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	.5076	.5076	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	.3273	.3273	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	.0868	.0868	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	.0567	.0567	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.0518	.0518	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	.0872	.0872	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	.0371	.0371	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	.0567	.0567	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



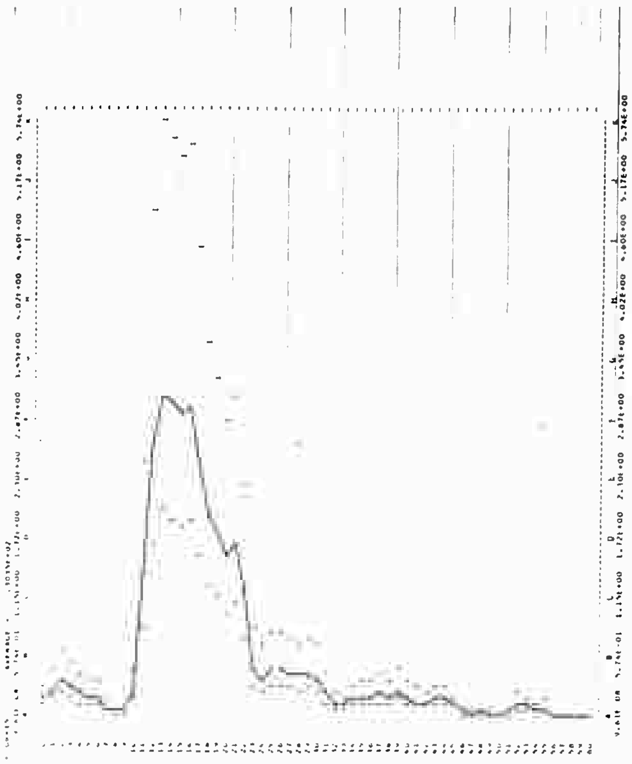
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59   HOUR = 15   TOTAL DF =181

AV. TH = 8.9   SIG.HGT. = 23.7   CORR. VAR. = 35.0   NOISE LEVEL = .0174

RECORD = DL 48   UPPER HGT. = 25.8   LOWER HGT. = 21.7   WIND SPEED = 40

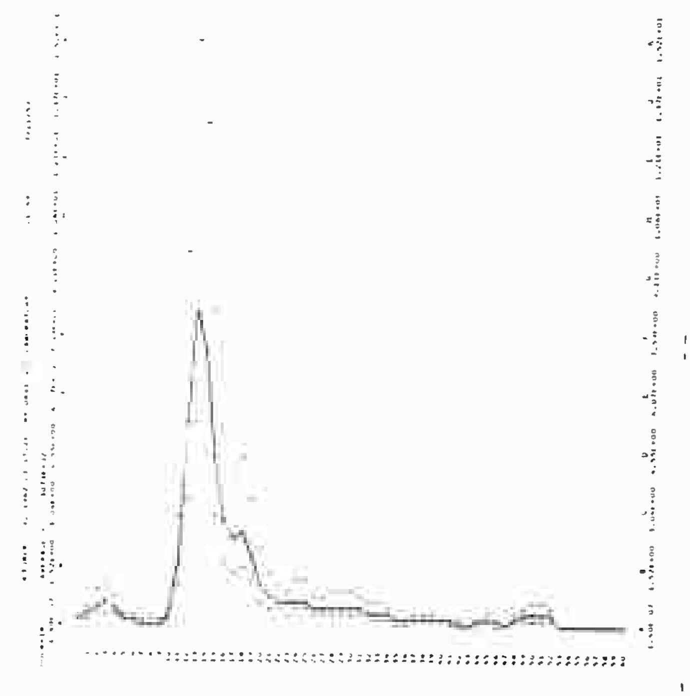
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR,FT.2	UPPER	LOWER
0	.000	.1626	.1626	.1456	.1456	.2679	.0926
1	.006	.2563	.2563	.2389	.2389	.4404	.1521
2	.011	.3613	.3613	.3439	.3439	.6334	.2140
3	.017	.3086	.3086	.2913	.2913	.5366	.1855
4	.022	.2221	.2221	.2047	.2047	.3774	.1304
5	.028	.1910	.1910	.1736	.1736	.3200	.1105
6	.033	.1432	.1432	.1258	.1982	.3653	.1262
7	.039	.0772	.0772	.0598	.0793	.1462	.0505
8	.044	.0548	.0548	.0374	.0445	.0821	.0284
9	.050	.0542	.0542	.0368	.0409	.0754	.0260
10	.056	.2389	.2389	.2215	.2355	.4340	.1499
11	.061	1.3204	1.3204	1.3030	1.3519	2.4918	.8604
12	.067	2.6086	2.6086	2.5912	2.6579	4.8987	1.6923
13	.072	3.0549	3.0549	3.0375	3.1165	5.7441	1.9844
14	.078	2.9359	2.9359	2.9185	3.0206	5.5675	1.9234
15	.083	2.8041	2.8041	2.7867	2.7299	5.4004	1.8656
16	.089	2.8225	2.8225	2.8051	2.9027	5.4976	1.8992
17	.094	2.2553	2.2553	2.2379	2.4441	4.5515	1.5723
18	.100	1.7374	1.7374	1.7205	1.9586	3.6100	1.2471
19	.106	1.5181	1.5181	1.5007	1.7716	3.2653	1.1280
20	.111	1.2806	1.2806	1.2630	1.5510	2.8587	.9876
21	.117	1.3203	1.3203	1.3029	1.6649	3.0778	1.0633
22	.122	.4132	.4132	[illegible]	1.2025	2.2165	.7657
23	.128	.1508	.1508	.1335	.4725	.8667	.2995
24	.133	.2616	.2616	.2442	.3632	.6695	.2311
25	.139	.2496	.2496	.2322	.4440	.8184	.2827
26	.144	.2800	.2800	.2627	.4582	.8377	.2790
27	.150	.2478	.2478	.2105	.4283	.7557	.2604
28	.156	.2196	.2196	.2022	.3825	.7050	.2436
29	.161	.2197	.2197	.2023	.4083	.7541	.2606
30	.167	.1882	.1882	.1708	[illegible]	.6832	.2360
31	.172	[illegible]	[illegible]	[illegible]	[illegible]	.3441	.1162
32	.178	.0816	.0816	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.0532	.0532	.0358	[illegible]	[illegible]	[illegible]
34	.189	.0725	[illegible]	.0551	.1625	.2995	.1034
35	.194	.0749	.0749	.0575	[illegible]	[illegible]	[illegible]
36	.200	.0729	.0729	.0555	[illegible]	.3560	[illegible]
37	.206	.0731	[illegible]	.0557	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER [illegible] DAVIDSON LABORATORY

[illegible]

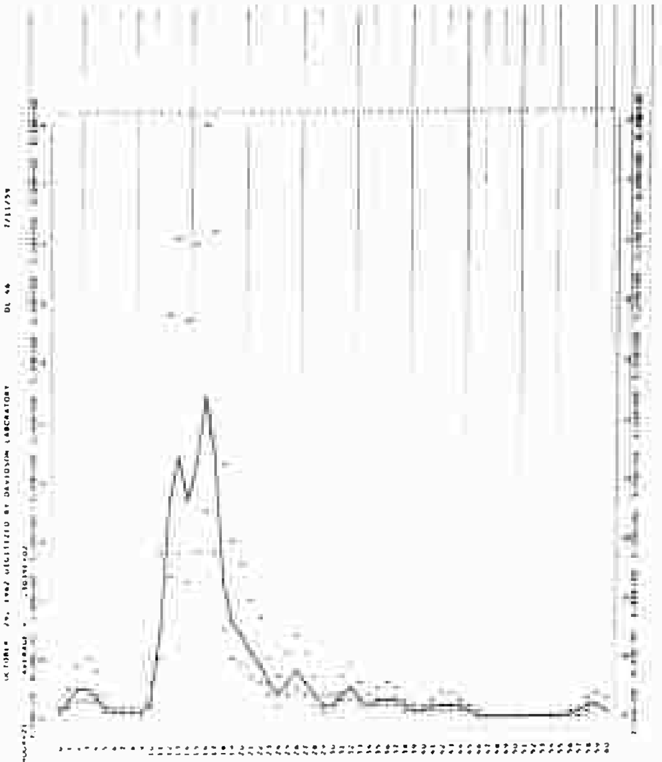
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR,FT.2	UPPER	LOWER
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE =	7/11/59	AV. T =	9.0	RECORD =	DL 46
HOUR =	21	SIG.HGT. =	25.6	UPPER HGT. =	28.1
TOTAL DF =	156	CORR. VAR. =	41.1	LOWER HGT. =	23.4
		NOISE LEVEL =	.0211	WIND SPEED =	40

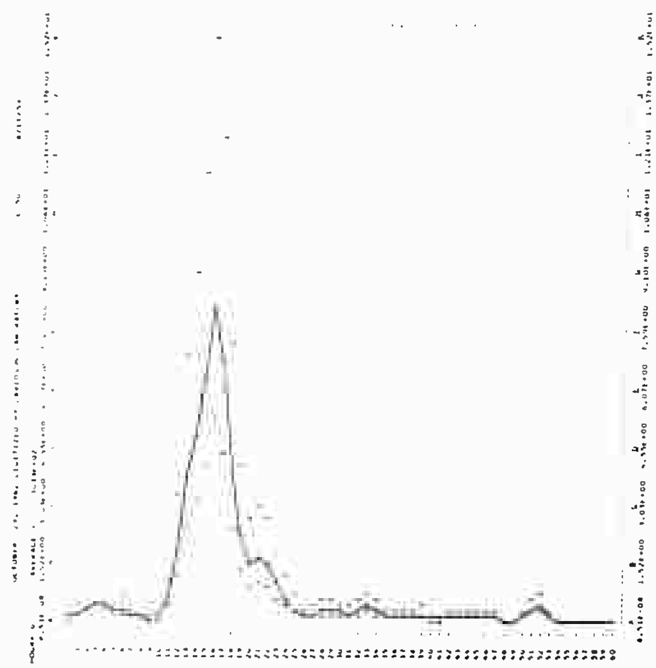
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1425	.1425	.1213	.1213	.2236	.0773
1	.006	.2757	.2757	.2545	.2545	.4692	.1621
2	.011	.4569	.4569	.4358	.4358	.8032	.2775
3	.017	.5024	.5024	.4813	.4813	.8871	.3065
4	.022	.4189	.4189	.3977	.3977	.7331	.2533
5	.028	.2185	.2185	.1974	.1974	.3639	.1257
6	.033	.0893	.0893	.0682	.1074	.1979	.0684
7	.039	.1100	.1100	.0889	.1180	.2176	.0752
8	.044	.1020	.1020	.0809	.0963	.1775	.0613
9	.050	.0682	.0682	.0471	.0522	.0963	.0333
10	.056	.2798	.2798	.2587	.2750	.5069	.1751
11	.061	1.3354	1.3354	1.3143	1.3635	2.5132	.8682
12	.067	3.2634	3.2634	3.2423	3.3256	6.1296	2.1175
13	.072	3.8700	3.8700	3.8488	3.9489	7.2784	2.5144
14	.078	3.1896	3.1896	3.1685	3.2794	6.0443	2.0881
15	.083	3.7197	3.7197	3.6986	3.8887	7.1675	2.4761
16	.089	4.6055	4.6055	4.5843	4.8745	8.9845	3.1038
17	.094	3.6597	3.6597	3.6385	4.0148	7.3998	2.5564
18	.100	1.8665	1.8665	1.8454	2.1008	3.8721	1.3377
19	.106	1.2414	1.2414	1.2203	1.4406	2.6552	.9173
20	.111	1.0638	1.0638	1.0427	1.2804	2.3600	.8153
21	.117	.7681	.7681	.7470	.9575	1.7647	.6096
22	.122	.6293	.6293	.6081	.8144	1.5067	.5190
23	.128	.3830	.3830	.3619	.5105	.9409	.3250
24	.133	.2513	.2513	.2301	.3422	.6308	.2179
25	.139	.3579	.3579	.3368	.5298	.9764	.3373
26	.144	.4299	.4299	.4088	.6820	1.2571	.4343
27	.150	.3340	.3340	.3129	.5550	1.0230	.3534
28	.156	.1937	.1937	.1726	.3265	.6019	.2079
29	.161	.1234	.1234	.1023	.2069	.3814	.1317
30	.167	.1203	.1203	.0992	.2152	.3967	.1370
31	.172	.1772	.1772	.1561	.3641	.6711	.2318
32	.178	.1974	.1974	.1763	.4437	.8178	.2825
33	.183	.1300	.1300	.1088	.2959	.5453	.1884
34	.189	.0942	.0942	.0731	.2154	.3971	.1372
35	.194	.0987	.0987	.0776	.2485	.4581	.1583
36	.200	.1045	.1045	.0834	.2909	.5361	.1852
37	.206	.0912	.0912	.0701	.2670	.4920	.1700
38	.211	.0576	.0576	.0365	.1521	.2804	.0969
39	.217	.0391	.0391	.0180	.0825	.1521	.0526
40	.222	.0407	.0407	.0196	.0989	.1822	.0629
41	.228	.0493	.0471	.0260	.1446	.2665	.0921
42	.233	.0503	.0491	.0280	.1723	.3176	.1097
43	.239	.0471	.0466	.0254	.1735	.3199	.1105
44	.244	.0433	.0417	.0206	.1562	.2876	.0994
45	.250	.0327	.0330	.0119	.1007	.1857	.0641
46	.256	.0231	.0250	.0039	.0367	.0677	.0234
47	.261	.0223	.0220	.0009	.0090	.0166	.0058
48	.267	.0201	.0202	.0000	.0000	.0000	.0000
49	.272	.0156	.0169	.0000	.0000	.0000	.0000
50	.278	.0144	.0154	.0000	.0000	.0000	.0000
51	.283	.0176	.0173	.0000	.0000	.0000	.0000
52	.289	.0195	.0187	.0000	.0000	.0000	.0000
53	.294	.0174	.0181	.0000	.0000	.0000	.0000
54	.300	.0173	.0182	.0000	.0000	.0000	.0000
55	.306	.0216	.0207	.0000	.0000	.0000	.0000
56	.311	.0223	.0222	.0011	.0350	.0645	.0223
57	.317	.0213	.0225	.0014	.0514	.0947	.0327
58	.322	.0265	.0250	.0038	.1668	.3075	.1062
59	.328	.0260	.0255	.0043	.2175	.4010	.1385
60	.333	.0209	.0234	.0023	.1329	.2450	.0846



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE =	[illegible]	AV. T =	[illegible]	RECORD =	[illegible]
HOUR =	0	SIG.HGT. =	[illegible]	UPPER HGT. =	[illegible]
TOTAL DF =	[illegible]	CORR. VAR. =	[illegible]	LOWER HGT. =	[illegible]
		NOISE LEVEL =	[illegible]	WIND SPEED =	[illegible]

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1244	.1244	.0955	[illegible]	[illegible]	[illegible]
1	.006	.2460	.2460	.2171	[illegible]	.4002	[illegible]
2	.011	.4054	.4054	.3765	.3765	[illegible]	[illegible]
3	.017	.4773	.4773	.4484	.4484	[illegible]	[illegible]
4	.022	.4373	.4373	.4084	.4084	[illegible]	[illegible]
5	.028	.3152	.3152	.2862	.2862	[illegible]	[illegible]
6	.033	.2309	.2309	.2020	[illegible]	[illegible]	[illegible]
7	.039	.1674	.1674	.1385	[illegible]	[illegible]	[illegible]
8	.044	.1166	.1166	.0877	[illegible]	[illegible]	[illegible]
9	.050	.0732	.0732	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	.1370	.1370	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	.6042	.6042	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	1.7894	1.7894	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	3.7070	3.7070	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	.083	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	7.7702	7.7702	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	1.9292	1.9292	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	1.2041	1.2041	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	1.2904	1.2904	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	1.1136	1.1136	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	.7352	.7352	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	[illegible]	.0748	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	[illegible]	.0742	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	.0745	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	.0523	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	[illegible]	.0513	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	.0508	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	.0475	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	[illegible]	[illegible]	.0000	[illegible]	.0000	.0000
50	.278	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
53	.294	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
54	.300	[illegible]	.0276	.0000	.0000	[illegible]	.0000
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	.0000	.0000
56	.311	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0000
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0000
58	.322	.0260	[illegible]	[illegible]	[illegible]	.0000	.0000
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.0000
60	.333	.0190	[illegible]	[illegible]	.0000	[illegible]	.0000



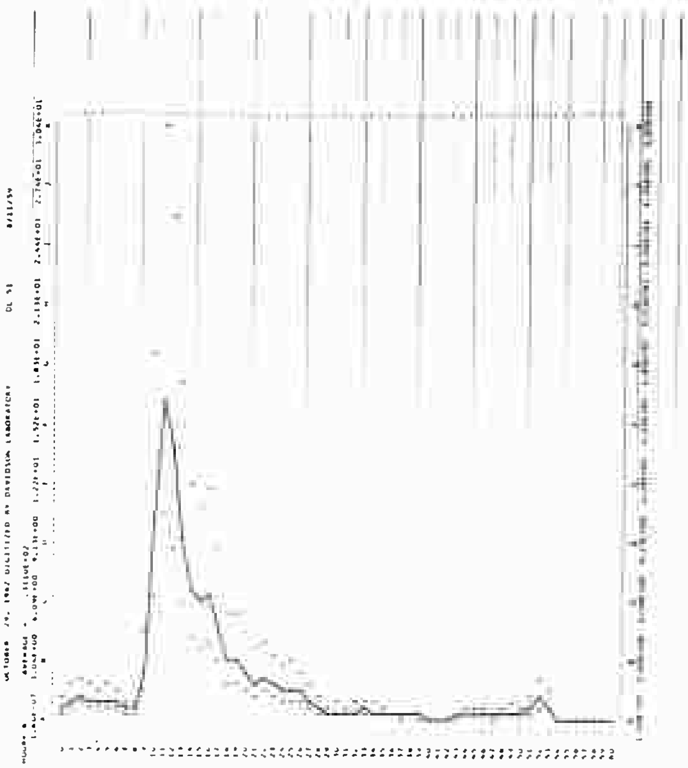
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 HOUR = 6 TOTAL DF =147

AV. T= 9.6 SIG.HGT. = 42.5 CORR. VAR. = 113.1 NOISE LEVEL = .0710

RECORD = DL 51 UPPER HGT. = 46.8 LOWER HGT. = 38.7 WIND SPEED = 55

N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6877	.6877	.6167	[illegible]	[illegible]	.3927
1	.006	1.0106	1.0106	.9396	[illegible]	[illegible]	.5983
2	.011	1.2769	1.2769	1.2059	[illegible]	[illegible]	.7678
3	.017	1.0306	1.0306	.9596	[illegible]	[illegible]	.6110
4	.022	.9312	.9312	.8602	[illegible]	[illegible]	.5478
5	.028	1.0269	1.0269	.9559	[illegible]	[illegible]	.6086
6	.033	.6455	.6455	.5745	[illegible]	[illegible]	.3764
7	.039	.4207	.4207	.3497	[illegible]	[illegible]	.2957
8	.044	.4768	.4768	.4058	[illegible]	[illegible]	.3077
9	.050	2.2466	2.2466	2.1756	[illegible]	[illegible]	1.5375
10	.056	9.6759	9.6759	9.6049	[illegible]	[illegible]	6.5011
11	.061	15.9940	15.9940	15.9230	[illegible]	[illegible]	10.5190
12	.067	13.7487	13.7487	13.6777	[illegible]	[illegible]	8.9330
13	.072	9.2077	9.2077	9.1367	[illegible]	[illegible]	5.9690
14	.078	6.5169	6.5169	6.4459	[illegible]	[illegible]	4.2480
15	.083	5.7242	5.7242	5.6532	[illegible]	[illegible]	3.7446
16	.089	6.0604	6.0604	5.9894	[illegible]	[illegible]	4.0551
17	.094	4.4458	4.4458	4.3748	[illegible]	[illegible]	3.0736
18	.100	2.6804	2.6804	2.6094	[illegible]	[illegible]	1.8315
19	.106	2.5547	2.5547	2.4837	[illegible]	[illegible]	1.8669
20	.111	2.0249	2.0249	1.9539	[illegible]	[illegible]	1.5278
21	.117	1.5541	1.5541	1.4831	[illegible]	[illegible]	1.2104
22	.122	1.6942	1.6942	1.6232	[illegible]	[illegible]	1.2876
23	.128	1.3631	1.3631	1.2921	[illegible]	[illegible]	1.1605
24	.133	1.0672	1.0672	.9962	[illegible]	[illegible]	.9433
25	.139	1.1111	1.1111	1.0401	[illegible]	[illegible]	1.0419
26	.144	.9079	.9079	.8369	[illegible]	[illegible]	.8891
27	.150	.6211	.6211	.5501	[illegible]	[illegible]	.6713
28	.156	.3843	.3843	.3133	[illegible]	[illegible]	.3726
29	.161	.2556	.2556	.1846	[illegible]	[illegible]	.2378
30	.167	.2624	.2624	.1914	[illegible]	[illegible]	.2646
31	.172	.2329	.2329	.1619	[illegible]	[illegible]	.2461
32	.178	.2392	.2392	.1692	[illegible]	[illegible]	.2695
33	.183	.2722	.2722	.2012	[illegible]	[illegible]	.3483
34	.189	.2176	.2176	.1466	[illegible]	[illegible]	.2751
35	.194	.1590	.1590	.0880	[illegible]	[illegible]	.1796
36	.200	.1407	.1407	.0697	[illegible]	[illegible]	.1548
37	.206	.1253	.1253	.0543	[illegible]	[illegible]	.1316
38	.211	.1297	.1297	.0587	[illegible]	[illegible]	.1559
39	.217	.1200	.1200	.0490	[illegible]	[illegible]	.1428
40	.222	.0840	.0840	.0130	[illegible]	[illegible]	.0416
41	.228	.0759	.0799	.0089	[illegible]	[illegible]	.0316
42	.233	.0824	.0839	.0129	[illegible]	[illegible]	.0564
43	.239	.0921	.0947	.0237	.1617	.2780	.1030
44	.244	.1190	.1121	.0411	.3120	.5750	.1986
45	.250	.1250	.1184	.0474	.4005	.7382	.2550
46	.256	.1004	.1045	.0335	.3166	.5835	.2016
47	.261	.0844	.0924	.0214	.2299	.4164	.1430
48	.267	.1058	.1002	.0292	.3473	.6402	.2212
49	.272	.1091	.1049	.0340	.4539	.8366	.2890
50	.278	.0827	.0958	.0248	.3746	.6905	.2385
51	.283	.1125	.1089	.0379	.6464	1.1913	.4116
52	.289	.1466	.1278	.0568	1.0998	2.0270	.7003
53	.294	.1031	.1255	.0545	.7584	1.3987	.4832
54	.300	.0570	.0651	.0000	.0000	.0000	.0000
55	.306	.0583	.0592	.0000	.0000	.0000	.0000
56	.311	.0693	.0633	.0000	.0000	.0000	.0000
57	.317	.0562	.0565	.0000	.0000	.0000	.0000
58	.322	.0519	.0555	.0000	.0000	.0000	.0000
59	.328	.0383	.0385	.0000	.0000	.0000	.0000
60	.333	.0353	.0367	.0000	.0000	.0000	.0000



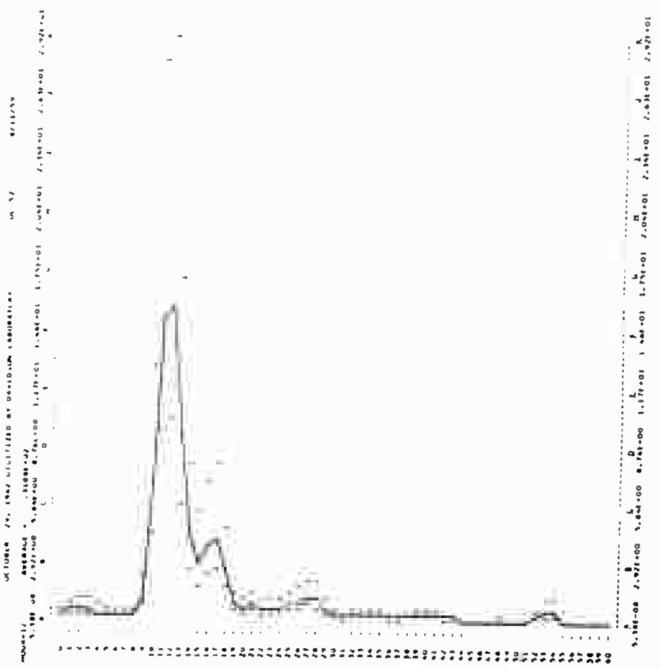
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 HOUR = 12 TOTAL DF =102

AV. T= 10.1 SIG.HGT. = 36.7 CORR. VAR. = 84.5 NOISE LEVEL = .0480

RECORD = DL 52 UPPER HGT. = 41.2 LOWER HGT. = 32.8 WIND SPEED = 40

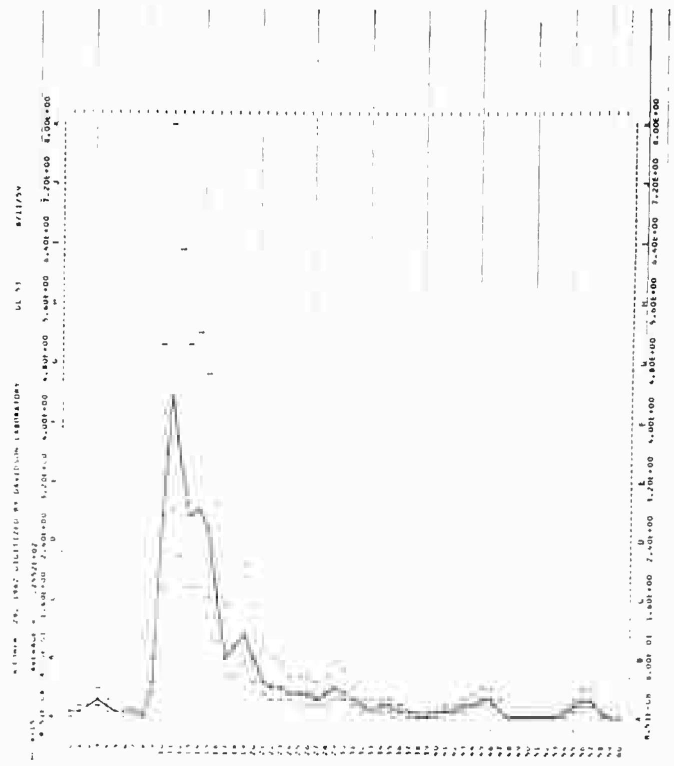
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4178	.4178	.3697	.3697	.4815	.2556
1	.006	.5659	.5659	.5179	.5179	.6565	.3298
2	.011	.6931	.6931	.6451	.6451	1.1885	.4167
3	.017	.6089	.6089	.5609	.5609	1.0390	.3574
4	.022	.4617	.4617	.4137	.4137	.7625	.2626
5	.028	.3282	.3282	.2802	.2802	.5164	.1786
6	.033	.2701	.2701	.2221	.3499	.6444	.2228
7	.039	.2519	.2519	.2039	.2707	.4984	.1749
8	.044	.2999	.2999	.2519	.2991	.5524	.1910
9	.050	1.2028	1.2028	1.1548	1.2017	2.1626	.8161
10	.056	6.5353	6.5353	6.4873	6.0960	12.7104	4.3910
11	.061	16.6778	16.6778	16.6298	15.1786	27.6761	9.6647
12	.067	15.4915	15.4915	15.4435	15.8624	29.1967	10.0862
13	.072	9.1211	9.1211	9.0731	9.3090	17.1570	5.9276
14	.078	4.2044	4.2044	4.1564	4.3018	7.6290	2.7562
15	.083	2.8357	2.8357	2.7877	2.9513	5.4023	1.8663
16	.089	3.5915	3.5915	3.5435	3.7678	6.9445	2.3991
17	.094	3.8739	3.8739	3.8259	4.2215	7.7804	2.6880
18	.100	2.2828	2.2828	2.2348	2.5441	4.6891	1.6199
19	.106	.7792	.7792	.7311	.8631	1.5406	.5496
20	.111	.5596	.5596	.5116	.6282	1.1579	.4000
21	.117	.6610	.6610	.6130	.7857	1.4481	.5001
22	.122	.5381	.5381	.4901	.6578	1.2127	.4189
23	.128	.6591	.6591	.6111	.5749	1.0688	.3692
24	.133	.4766	.4766	.4261	.6340	1.1666	.4037
25	.139	.5163	.5163	.4683	.7650	1.4101	.4871
26	.144	.6346	.6346	.5866	.7787	1.0039	.4712
27	.150	.7068	.7068	.6588	1.1685	2.1537	.7440
28	.156	.6044	.6044	.5564	1.0925	1.9400	.6702
29	.161	.3498	.3498	.3018	.6106	1.1293	.3888
30	.167	.1686	.1686	.1206	.2613	.4825	.1667
31	.172	.1350	.1350	.0870	.2029	.3719	.1292
32	.178	.1650	.1650	.1170	.2944	.5413	.1876
33	.183	.1917	.1917	.1437	.3907	.7200	.2487
34	.189	.1700	.1700	.1220	.3597	.6630	.2290
35	.194	.1302	.1302	.0822	.2631	.4850	.1675
36	.200	.1083	.1081	.0601	.2104	.3878	.1340
37	.206	.0911	.0911	.0431	.1642	.3027	.1046
38	.211	.1040	.1040	.0560	.2336	.4305	.1487
39	.217	.1227	.1227	.0747	.3424	.6312	.2180
40	.222	.1123	.1123	.0643	.3246	.5976	.2063
41	.228	.0966	.0966	.0486	.2692	.4961	.1714
42	.233	.0854	.0841	.0361	.2223	.4098	.1416
43	.239	.0728	.0711	.0231	.1577	.2907	.1004
44	.244	.0567	.0535	.0055	.0416	.0766	.0265
45	.250	.0449	.0398	.0000	.0000	.0000	.0000
46	.256	.0382	.0428	.0000	.0000	.0000	.0000
47	.261	.0581	.0527	.0047	.0500	.0921	.0318
48	.267	.0602	.0564	.0084	.1001	.1845	.0637
49	.272	.0439	.0472	.0000	.0000	.0000	.0000
50	.278	.0362	.0417	.0000	.0000	.0000	.0000
51	.283	.0492	.0507	.0027	.0458	.0844	.0291
52	.289	.0726	.0682	.0202	.3904	.7195	.2486
53	.294	.0848	.0781	.0301	.6664	1.2281	.4243
54	.300	.0740	.0729	.0229	.5734	1.0569	.3651
55	.306	.0474	.0507	.0027	.0778	.1434	.0496
56	.311	.0290	.0342	.0000	.0000	.0000	.0000
57	.317	.0313	.0313	.0000	.0000	.0000	.0000
58	.322	.0230	.0235	.0000	.0000	.0000	.0000
59	.328	.0116	.0121	.0000	.0000	.0000	.0000
60	.333	.0294	.0304	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 — AV. T= 9.1 — RECORD = UL 53
HOUR = 15 — SIG.HGT. = 22.4 — UPPER HGT. = 24.7
TOTAL DF =145 — CORR. VAR. = 31.5 — LOWER HGT. = 20.4
NOISE LEVEL = .0179 — WIND SPEED = 35

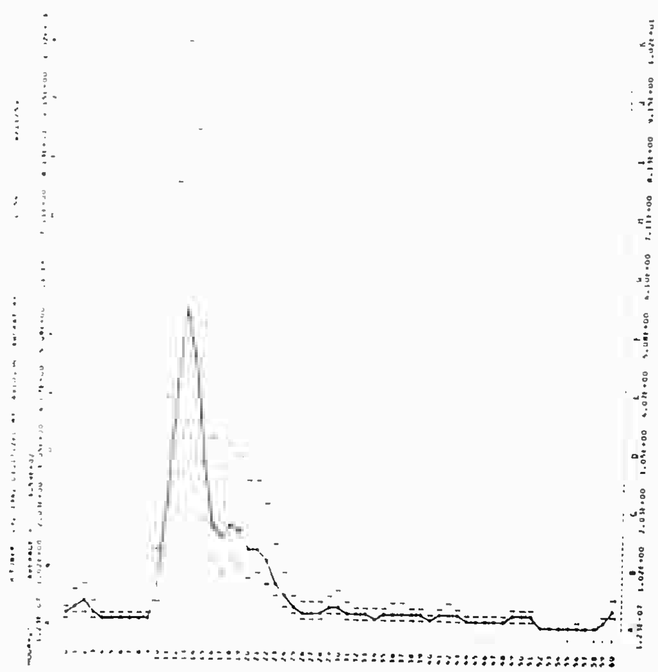
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0766	.0766	.0587	.0587	.1082	.0374
1	.006	.1111	.1111	.0932	.0932	.1718	.0595
2	.011	.2090	.2090	.1911	.1911	.3523	.1217
3	.017	.2478	.2478	.2299	.2299	.4238	.1464
4	.022	.1513	.1513	.1334	.1334	.2459	.0849
5	.028	.0810	.0810	.0631	.0631	.1162	.0402
6	.033	.0499	.0499	.0320	.0505	.0930	.0321
7	.039	.0608	.0608	.0429	.0567	.1044	.0361
8	.044	.0180	.0180	.0001	.0002	.0003	.0001
9	.050	.4202	.4202	.4023	.4466	.8231	.2845
10	.056	2.5983	2.5983	2.5804	2.7429	5.0557	1.7465
11	.061	4.2023	4.2023	4.1844	4.3411	8.0016	2.7645
12	.067	3.3545	3.3545	3.3366	3.4224	6.3080	2.1792
13	.072	2.6625	2.6625	2.6446	2.7114	5.0012	1.7277
14	.078	2.7409	2.7409	2.7230	2.8184	5.1946	1.7946
15	.083	2.4327	2.4327	2.4148	2.5384	4.6796	1.6164
16	.089	1.5045	1.5045	1.4867	1.5068	2.9136	1.0065
17	.094	.7710	.7710	.7531	.8310	1.5317	.5291
18	.100	.8428	.8428	.8249	.9390	1.7306	.5979
19	.106	.9755	.9755	.9576	1.1104	2.0816	.7148
20	.111	.6736	.6736	.6557	.8052	1.4841	.5127
21	.117	.3891	.3891	.3712	.4758	.8769	.3029
22	.122	.3275	.3275	.3096	.4156	.7660	.2646
23	.128	.2931	.2931	.2755	.3882	.7156	.2472
24	.133	.2365	.2365	.2186	.3251	.5993	.2070
25	.139	.2067	.2067	.1889	.2971	.5476	.1892
26	.144	.2015	.2015	.1836	.3063	.5645	.1950
27	.150	.1636	.1636	.1457	.2585	.4764	.1646
28	.156	.1827	.1827	.1648	.3118	.5746	.1985
29	.161	.2179	.2179	.2000	.4046	.7458	.2577
30	.167	.1712	.1712	.1533	.3326	.6133	.2118
31	.172	.1099	.1099	.0921	.2146	.3956	.1367
32	.178	.0713	.0713	.0534	.1345	.2478	.0856
33	.183	.0584	.0584	.0405	.1102	.2030	.0701
34	.189	.0690	.0690	.0511	.1505	.2776	.0958
35	.194	.0601	.0601	.0422	.1351	.2491	.0860
36	.200	.0390	.0390	.0211	.0738	.1360	.0470
37	.206	.0300	.0300	.0121	.0461	.0847	.0293
38	.211	.0273	.0273	.0094	.0394	.0726	.0251
39	.217	.0261	.0261	.0082	.0375	.0691	.0239
40	.222	.0292	.0232	.0113	.0571	.1053	.0364
41	.228	.0139	.0331	.0152	.0841	.1556	.0537
42	.233	.0342	.0351	.0172	.1061	.1955	.0675
43	.239	.0375	.0382	.0203	.1385	.2553	.0882
44	.244	.0454	.0435	.0256	.1963	.3582	.1237
45	.250	.0491	.0454	.0276	.2354	.4368	.1502
46	.256	.0407	.0347	.0214	.2064	.3806	.1314
47	.261	.0267	.0284	.0136	.1116	.2057	.0711
48	.267	.0179	.0197	.0018	.0210	.0387	.0134
49	.272	.0154	.0164	.0000	.0000	.0000	.0000
50	.278	.0161	.0156	.0000	.0000	.0000	.0000
51	.283	.0165	.0146	.0000	.0000	.0000	.0000
52	.289	.0119	.0136	.0000	.0000	.0000	.0000
53	.294	.0163	.0161	.0000	.0000	.0000	.0000
54	.300	.0204	.0199	.0020	.0447	.0768	.0267
55	.306	.0225	.0225	.0046	[illegible]	.2436	.0846
56	.311	.0262	.0249	.0087	.2187	.4044	.1389
57	.317	.0246	.0235	.0056	.2120	.3422	.1355
58	.322	.0183	.0189	.0010	.0426	.0779	.0268
59	.328	.0168	.0139	.0000	.0000	.0000	.0000
60	.333	.0162	.0115	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 — AV. T= 9.8 — RECORD = [illegible]
HOUR = 21 — SIG.HGT. = 25.[illegible] — UPPER HGT. = 27.5
TOTAL DF =145 — CORR. VAR. = 34.1 — LOWER HGT. = 22.8
NOISE LEVEL = .0171 — WIND SPEED = 35

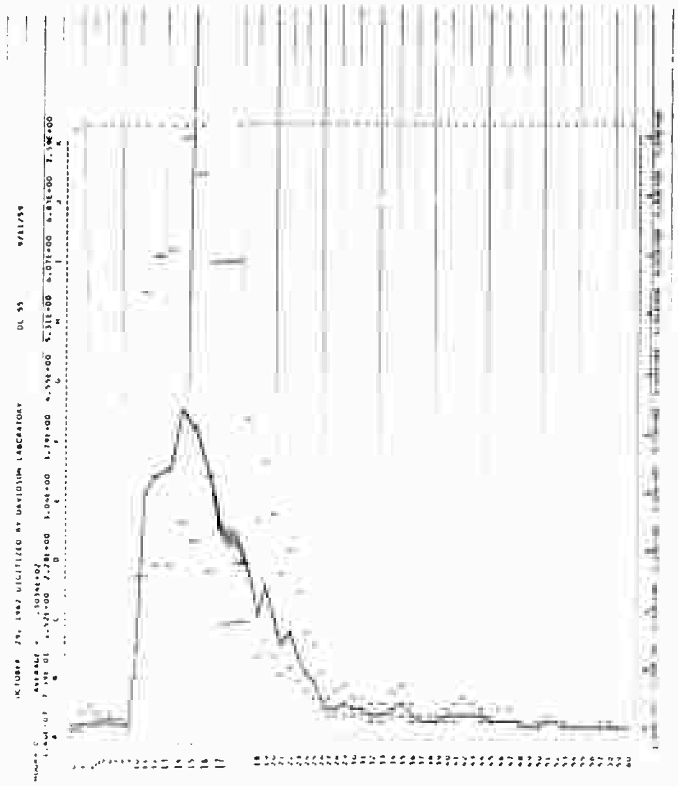
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1929	.1929	.1752	.1752	[illegible]	[illegible]
1	.006	.3434	.3434	.3262	.3262	[illegible]	[illegible]
2	.011	.4167	.4167	.3975	.3975	.7327	[illegible]
3	.017	.2457	.2457	.2266	.2266	[illegible]	[illegible]
4	.022	.1672	.1672	[illegible]	[illegible]	[illegible]	[illegible]
5	.028	.1726	.1726	[illegible]	[illegible]	[illegible]	[illegible]
6	.033	.1005	.1005	[illegible]	[illegible]	[illegible]	[illegible]
7	.039	.1011	.1011	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	.0474	.0474	[illegible]	[illegible]	[illegible]	[illegible]
9	.050	.1168	.1168	[illegible]	[illegible]	[illegible]	[illegible]
10	.056	.0751	.0751	[illegible]	[illegible]	[illegible]	[illegible]
11	.061	2.0750	2.0750	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	4.0479	4.0479	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	5.3814	5.3814	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	4.5444	4.5444	4.5277	[illegible]	[illegible]	[illegible]
15	.083	2.7704	2.7704	2.7533	2.8460	[illegible]	[illegible]
16	.089	1.6754	1.6759	1.6588	[illegible]	[illegible]	[illegible]
17	.094	1.3844	1.3844	1.3723	[illegible]	[illegible]	[illegible]
18	.100	1.5258	1.5258	1.5087	[illegible]	[illegible]	[illegible]
19	.106	1.3036	1.3036	1.2865	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	1.2762	1.2762	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	.8761	.8761	.8542	[illegible]	[illegible]	[illegible]
23	.128	.5555	.5555	.5381	[illegible]	[illegible]	[illegible]
24	.133	.3442	.3442	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	.2063	.2063	[illegible]	[illegible]	[illegible]	[illegible]
26	.144	.1403	.1403	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	.1363	.1363	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	.1450	.1450	[illegible]	[illegible]	[illegible]	[illegible]
29	.161	.1444	.1444	[illegible]	[illegible]	[illegible]	[illegible]
30	.167	.1600	.1600	[illegible]	[illegible]	[illegible]	[illegible]
31	.172	.1163	.1160	[illegible]	[illegible]	[illegible]	[illegible]
32	.178	.0862	.0862	[illegible]	[illegible]	[illegible]	[illegible]
33	.183	.0766	.0766	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	.0665	.0665	[illegible]	[illegible]	[illegible]	[illegible]
35	.194	.0716	.0716	[illegible]	[illegible]	[illegible]	[illegible]
36	.200	.0798	.0748	[illegible]	[illegible]	[illegible]	[illegible]
37	.206	.0714	.0711	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	.0651	.0651	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	.0526	.0528	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	.0388	.0388	[illegible]	[illegible]	[illegible]	[illegible]
41	.228	.0474	.0442	[illegible]	[illegible]	[illegible]	[illegible]
42	.233	.0567	.0511	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	.0462	.0445	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	.0244	.0320	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	.0281	.0284	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0242	.0281	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	.0275	.0279	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	.0295	.0287	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	.0277	.0286	[illegible]	[illegible]	[illegible]	[illegible]
50	.278	.0320	.0266	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	.0292	.0266	.0095	[illegible]	[illegible]	[illegible]
52	.289	.0126	.0180	.0000	.0000	.0000	.0000
53	.294	.0066	.0094	.0000	.0000	.0000	.0000
54	.300	.0116	.0117	.0000	.0000	.0000	.0000
55	.306	.0105	.0164	.0000	.0000	.0000	.0000
56	.311	.0191	.0182	.0011	[illegible]	.0662	.0229
57	.317	.0147	.0158	.0000	.0000	.0000	.0000
58	.322	.0144	.0158	.0000	.0000	.0000	.0000
59	.328	.0263	.0193	.0022	[illegible]	.1905	.0666
60	.333	.0258	.0221	.0049	[illegible]	.5261	.1817



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59   AV. T= 9.3   RECORD = DL 55
HOUR = 0   SIG.HGT. = 24.9   UPPER HGT. = 27.3
TOTAL DF =162   CORR. VAR. = 38.8   LOWER HGT. = 22.7
NOISE LEVEL = .0165   WIND SPEED = 40

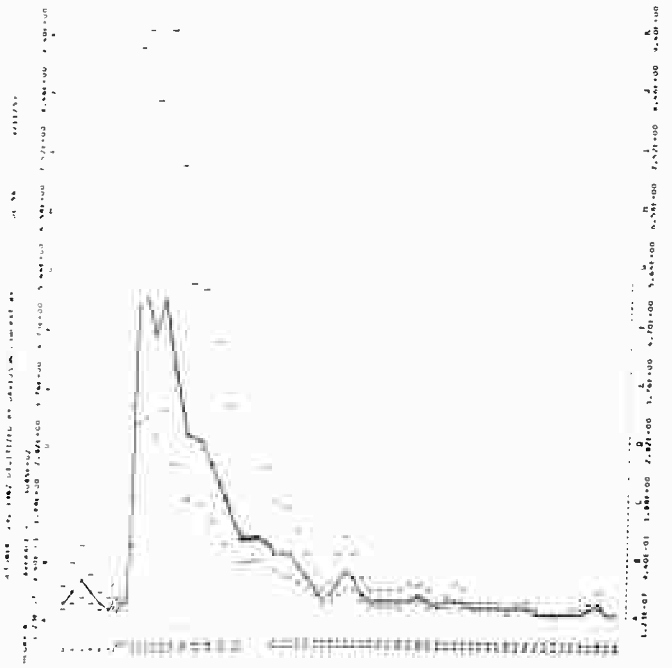
H	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1078	.1078	.0913	.0913	.1683	.0581
1	.006	.1646	.1646	.1481	.1481	.2729	.0943
2	.011	.2044	.2044	.1879	.1879	.3463	.1196
3	.017	.1637	.1637	.1472	.1472	.2713	.0937
4	.022	.1433	.1433	.1268	.1268	.2337	.0807
5	.028	.1193	.1193	.1027	.1027	.1893	.0654
6	.033	.0900	.0900	.0734	.1157	.2133	.0737
7	.039	.0699	.0699	.0533	.0708	.1305	.0451
8	.044	.0981	.0981	.0815	.0971	.1790	.0618
9	.050	.0580	.0580	.0415	.0460	.0849	.0293
10	.056	1.0235	1.0235	1.0069	1.0704	1.9729	.6816
11	.061	2.9716	2.9716	2.9551	3.0659	5.6509	1.9522
12	.067	3.2346	3.2346	3.2181	3.3004	6.0830	2.1017
13	.072	3.2853	3.2853	3.2688	3.3534	6.1816	2.1355
14	.078	3.9952	3.9952	3.9786	4.1179	7.5899	2.6220
15	.083	3.6936	3.6936	3.6771	3.8661	7.1258	2.4617
16	.089	3.0825	3.0825	3.0659	3.2600	6.0087	2.0758
17	.094	1.9418	1.9418	1.9253	2.1243	3.9154	1.3526
18	.100	1.2816	1.2816	1.2650	1.4401	2.6544	.9170
19	.106	1.5697	1.5697	1.5532	1.8336	3.3795	1.1675
20	.111	1.2153	1.2153	1.1988	1.4721	2.7134	.9374
21	.117	.8651	.8651	.8486	1.0876	2.0046	.6925
22	.122	.9240	.9240	.9075	1.2182	2.2453	.7757
23	.128	.6780	.6780	.6614	.9330	1.7196	.5941
24	.133	.4695	.4695	.4530	.6736	1.2416	.4289
25	.139	.3806	.3806	.3641	.5728	1.0557	.3647
26	.144	.2331	.2331	.2166	.3614	.6661	.2301
27	.150	.1435	.1435	.1270	.2251	.4152	.1434
28	.156	.1415	.1415	.1250	.2365	.4359	.1506
29	.161	.1506	.1506	.1340	.2711	.4997	.1726
30	.167	.1170	.1170	.1005	.2181	.4020	.1389
31	.172	.1016	.1016	.0851	.1985	.3658	.1264
32	.178	.0873	.0873	.0708	.1782	.3285	.1135
33	.183	.0805	.0805	.0639	.1738	.3204	.1107
34	.189	.1012	.1012	.0846	.2495	.4598	.1589
35	.194	.1008	.1008	.0843	.2619	.4976	.1718
36	.200	.0642	.0642	.0477	.1664	.3066	.1059
37	.206	.0401	.0401	.0236	.0897	.1654	.0571
38	.211	.0354	.0354	.0188	.0787	.1451	.0501
39	.217	.0328	.0328	.0162	.0744	.1371	.0474
40	.222	.0416	.0416	.0251	.1266	.2333	.0806
41	.228	.0498	.0472	.0306	.1704	.3140	.1085
42	.233	.0481	.0473	.0308	.1894	.3492	.1206
43	.239	.0450	.0433	.0268	.1825	.3363	.1162
44	.244	.0331	.0350	.0185	.1400	.2581	.0891
45	.250	.0265	.0286	.0121	.1024	.1888	.0652
46	.256	.0302	.0285	.0120	.1130	.2082	.0719
47	.261	.0283	.0270	.0105	.1110	.2047	.0707
48	.267	.0199	.0212	.0047	.0560	.1032	.0357
49	.272	.0146	.0168	.0003	.0041	.0075	.0026
50	.278	.0187	.0181	.0016	.0242	.0445	.0154
51	.283	.0218	.0205	.0039	.0676	.1242	.0429
52	.289	.0196	.0197	.0031	.0609	.1121	.0388
53	.294	.0186	.0177	.0012	.0267	.0491	.0170
54	.300	.0129	.0151	.0000	.0000	.0000	.0000
55	.306	.0135	.0121	.0000	.0000	.0000	.0000
56	.311	.0154	.0146	.0000	.0000	.0000	.0000
57	.317	.0193	.0173	.0008	.0295	.0544	.0188
58	.322	.0172	.0172	.0007	.0308	.0567	.0196
59	.328	.0150	.0147	.0000	.0000	.0000	.0000
60	.333	.0157	.0158	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59   AV. T= [illegible]   RECORD = DL 56
HOUR = [illegible]   SIG.HGT. = [illegible]   UPPER HGT. = 30.9
TOTAL DF =[illegible]   CORR. VAR. = [illegible]   LOWER HGT. = 25.9
NOISE LEVEL = [illegible]   WIND SPEED = [illegible]

H	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3360	.3360	.3149	[illegible]	[illegible]	.2009
1	.006	[illegible]	[illegible]	.5092	[illegible]	[illegible]	[illegible]
2	.011	.6845	.6845	.6633	.6633	[illegible]	[illegible]
3	.017	[illegible]	[illegible]	.4233	.4233	.7802	.2695
4	.022	.2598	.2598	.2387	.2387	.4399	.1520
5	.028	.2440	.2440	.2228	.2228	.4107	[illegible]
6	.033	.2030	.2030	[illegible]	[illegible]	.3282	[illegible]
7	.039	.1241	.1241	[illegible]	[illegible]	[illegible]	[illegible]
8	.044	.1478	.1478	.1267	.1509	.2782	[illegible]
9	.050	.1769	.1769	.1557	[illegible]	[illegible]	[illegible]
10	.056	[illegible]	[illegible]	1.7252	[illegible]	[illegible]	[illegible]
11	.061	4.7895	4.7895	4.7684	[illegible]	[illegible]	[illegible]
12	.067	4.4828	4.4828	[illegible]	[illegible]	[illegible]	[illegible]
13	.072	4.4121	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	.078	4.9506	4.9506	4.9295	[illegible]	[illegible]	[illegible]
15	.083	3.7382	3.7382	[illegible]	[illegible]	[illegible]	[illegible]
16	.089	2.7545	2.7545	[illegible]	[illegible]	[illegible]	[illegible]
17	.094	2.6058	2.6058	[illegible]	[illegible]	[illegible]	[illegible]
18	.100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	.106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
20	.111	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	.117	.7836	.7836	[illegible]	[illegible]	[illegible]	[illegible]
22	.122	.7024	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	.128	.6760	.6760	[illegible]	[illegible]	[illegible]	.5002
24	.133	.5054	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	.139	.3546	.3546	.3335	.5244	[illegible]	[illegible]
26	.144	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	.150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	.156	[illegible]	[illegible]	[illegible]	[illegible]	.5072	[illegible]
29	.161	.2716	.2716	.2505	[illegible]	[illegible]	[illegible]
30	.167	.3235	.3235	.3024	.6561	1.2096	[illegible]
31	.172	.2435	.2435	.2223	.5185	[illegible]	[illegible]
32	.178	[illegible]	[illegible]	.1250	[illegible]	[illegible]	[illegible]
33	.183	.1026	.1026	[illegible]	[illegible]	[illegible]	[illegible]
34	.189	[illegible]	[illegible]	[illegible]	[illegible]	.3878	.1340
35	.194	.0863	.0863	.0652	[illegible]	[illegible]	[illegible]
36	.200	.0761	.0761	.0550	[illegible]	[illegible]	[illegible]
37	.206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
38	.211	.0832	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	.217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	.222	[illegible]	[illegible]	.0196	[illegible]	[illegible]	[illegible]
41	.228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1381
42	.233	.0483	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	.239	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	.244	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	.250	.0509	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	.256	.0323	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	.261	[illegible]	.0286	[illegible]	[illegible]	[illegible]	[illegible]
48	.267	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	.272	.0296	[illegible]	.0069	[illegible]	[illegible]	[illegible]
50	.278	[illegible]	.0288	[illegible]	[illegible]	[illegible]	[illegible]
51	.283	.0224	[illegible]	.0023	[illegible]	[illegible]	.0267
52	.289	[illegible]	[illegible]	[illegible]	[illegible]	.0000	.0000
53	.294	[illegible]	.0186	.0000	.0000	.0000	.0000
54	.300	.0215	[illegible]	[illegible]	[illegible]	.0000	.0000
55	.306	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
56	.311	.0206	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
57	.317	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
58	.322	[illegible]	[illegible]	[illegible]	[illegible]	.3508	[illegible]
59	.328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
60	.333	[illegible]	[illegible]	.0000	.0000	.0000	.0000



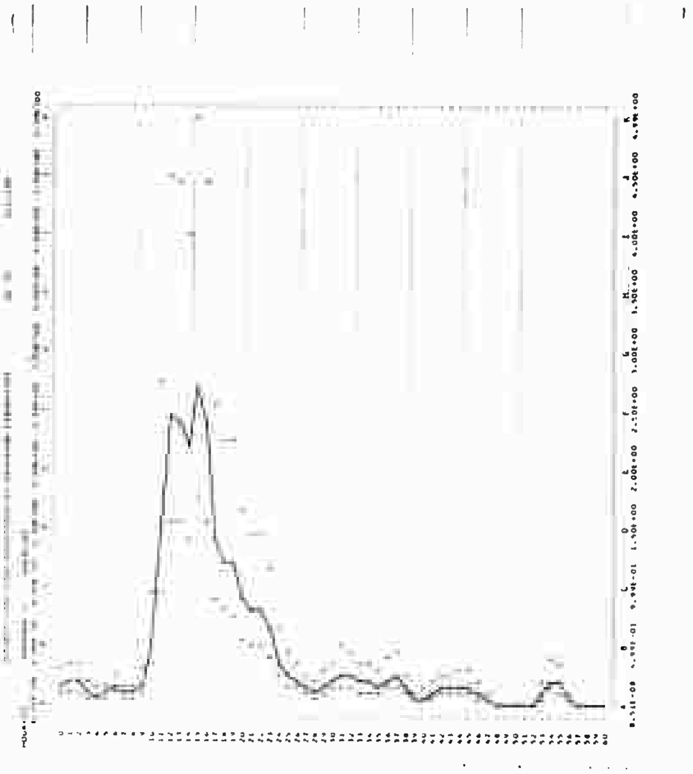
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 HOUR = 12 TOTAL DF =177

AV. T= 8.6 SIG.HGT. = 20.7 CORR. VAR. = 26.8 NOISE LEVEL = .0176

RECORD = UL 57 UPPER HGT. = 22.6 LOWER HGT. = 14.0 WIND SPEED = 30

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1748	.1748	.1572	.1572	.2896	.1001
1	.006	.2030	.2030	.1854	.1854	.3416	.1180
2	.011	.1958	.1958	.1781	.1781	.3281	.1134
3	.017	.1188	.1188	.1012	.1012	.1866	.0645
4	.022	.0892	.0892	.0716	.0716	.1320	.0456
5	.028	.1121	.1121	.0945	.0945	.1742	.0602
6	.033	.1090	.1090	.0914	.1419	.2653	.0916
7	.039	.0839	.0839	.0662	.0874	.1621	.0560
8	.044	.0881	.0881	.0704	.0839	.1546	.0534
9	.050	.1535	.1535	.1358	.1508	.2779	.0960
10	.056	.5093	.5093	.4916	.5226	.9632	.3328
11	.061	1.4516	1.4516	1.4340	1.4877	2.7421	.9471
12	.067	2.3864	2.3864	2.3688	2.4296	4.4782	1.5470
13	.072	2.3585	2.3585	2.3409	2.4018	4.4268	1.5293
14	.078	2.1235	2.1235	2.1058	2.1795	4.0172	1.3878
15	.083	2.5952	2.5952	2.5775	2.7100	4.9950	1.7256
16	.089	2.2940	2.2940	2.2764	2.4205	4.4613	1.5412
17	.094	1.2672	1.2672	1.2495	1.3787	2.5412	.8779
18	.100	1.0867	1.0867	1.0611	1.2171	2.2432	.7750
19	.106	1.0435	1.0435	1.0259	1.2110	2.2321	.7711
20	.111	.7377	.7377	.7201	.8842	1.6298	.5630
21	.117	.6251	.6251	.6075	.7786	1.4350	.4958
22	.122	.5967	.5967	.5790	.7773	1.4327	.4949
23	.128	.4612	.4612	.4438	.6257	1.1533	.3984
24	.133	.2591	.2591	.2414	.3591	.6618	.2286
25	.139	.1668	.1668	.1492	.2347	.4326	.1494
26	.144	.1356	.1356	.1179	.1968	.3627	.1253
27	.150	.0909	.0909	.0733	.1300	.2396	.0828
28	.156	.0791	.0791	.0615	.1164	.2145	.0741
29	.161	.0956	.0956	.0780	.1577	.2907	.1004
30	.167	.1100	.1100	.0924	.2004	.3695	.1276
31	.172	.1311	.1311	.1135	.2646	.4878	.1685
32	.178	.1135	.1135	.0959	.2414	.4449	.1537
33	.183	.0850	.0850	.0674	.1812	.3377	.1167
34	.189	.0775	.0775	.0599	.1765	.3253	.1124
35	.194	.0678	.0678	.0502	.1606	.2960	.1023
36	.200	.0767	.0767	.0591	.2062	.3800	.1313
37	.206	.0810	.0810	.0633	.2413	.4447	.1536
38	.211	.0519	.0519	.0343	.1424	.2635	.0910
39	.217	.0292	.0292	.0116	.0532	.0980	.0338
40	.222	.0321	.0321	.0144	.0727	.1340	.0463
41	.228	.0396	.0377	.0201	.1116	.2056	.0710
42	.233	.0402	.0346	.0219	.1350	.2488	.0859
43	.239	.0376	.0383	.0207	.1412	.2602	.0899
44	.244	.0393	.0379	.0203	.1518	.2815	.0974
45	.250	.0388	.0353	.0177	.1447	.2760	.0953
46	.256	.0275	.0283	.0107	.1012	.1865	.0644
47	.261	.0201	.0215	.0054	.0411	.0758	.0262
48	.267	.0184	.0179	.0003	.0032	.0060	.0021
49	.272	.0140	.0149	.0000	.0000	.0000	.0000
50	.278	.0102	.0118	.0000	.0000	.0000	.0000
51	.283	.0121	.0125	.0000	.0000	.0000	.0000
52	.289	.0162	.0167	.0000	.0000	.0000	.0000
53	.294	.0236	.0222	.0045	.1000	.1845	.0637
54	.300	.0277	.0238	.0061	.0944	.1767	.0610
55	.306	.0252	.0241	.0065	.1914	.3528	.1219
56	.311	.0188	.0195	.0019	.0619	.1141	.0394
57	.317	.0148	.0158	.0000	.0000	.0000	.0000
58	.322	.0162	.0151	.0000	.0000	.0000	.0000
59	.328	.0130	.0132	.0000	.0000	.0000	.0000
60	.333	.0086	.0108	.0000	.0000	.0000	.0000



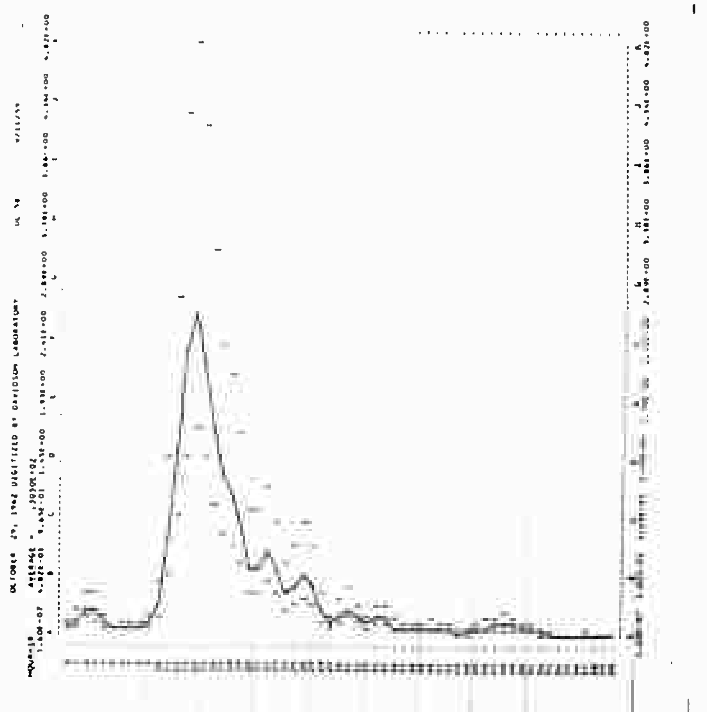
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 HOUR = 18 TOTAL DF =180

AV. T= 9.3 SIG.HGT. = 18.6 CORR. VAR. = 21.6 NOISE LEVEL = .0082

RECORD = UL 58 UPPER HGT. = 23.4 LOWER HGT. = 17.3 WIND SPEED = 25

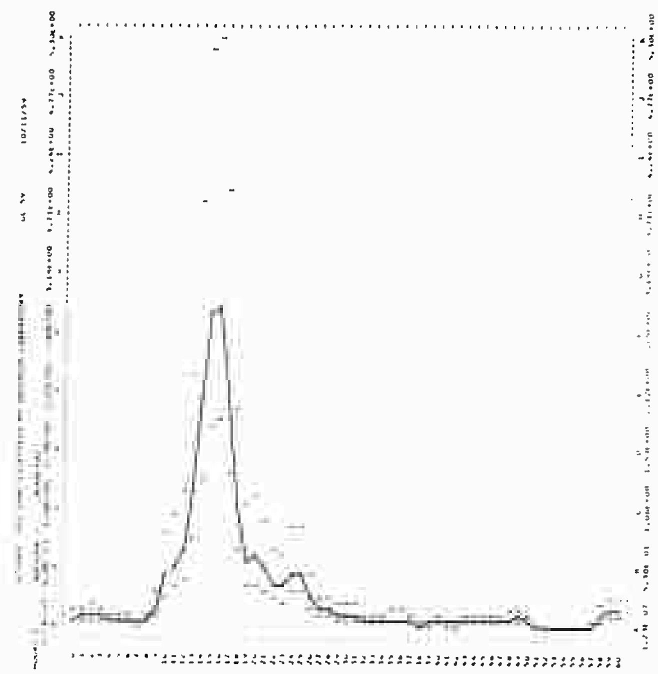
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0561	.0561	.0479	.0479	.0882	.0305
1	.006	.1101	.1101	.1019	.1018	.1876	.0648
2	.011	.2015	.2015	.1932	.1932	.3562	.1230
3	.017	.1837	.1837	.1755	.1755	.3234	.1117
4	.022	.0951	.0951	.0869	.0869	.1601	.0553
5	.028	.0472	.0472	.0390	.0390	.0718	.0248
6	.033	.0405	.0405	.0323	.0509	.0938	.0324
7	.039	.0184	.0184	.0102	.0401	.0739	.0255
8	.044	.0493	.0493	.0411	.0489	.0902	.0312
9	.050	.0826	.0826	.0744	.0825	.1521	.0526
10	.056	.2420	.2420	.2337	.2480	.4570	.1587
11	.061	.7606	.7606	.7523	[illegible]	1.4186	.4870
12	.067	1.4729	1.4729	1.4647	1.5023	2.7691	.9566
13	.072	2.2446	2.2446	2.2411	2.2836	4.2305	1.4442
14	.078	2.5171	2.5171	2.5201	2.6176	4.8242	1.6666
15	.083	2.1815	2.1815	2.1192	2.2424	4.1340	1.4281
16	.089	1.6104	1.6104	1.6022	1.7036	3.1398	1.0847
17	.094	1.1795	1.1795	1.1713	1.2424	2.2923	.7929
18	.100	1.0185	1.0185	1.0103	1.1901	2.1190	.7323
19	.106	.7692	.7692	.7610	.8983	1.6557	.5720
20	.111	.4572	.4572	.4490	.5513	1.0162	.3511
21	.117	.4609	.4609	.4526	.5545	1.0221	.3531
22	.122	.5031	.5031	.4948	.6655	1.2265	.4238
23	.128	.3674	.3674	.3592	.5072	.9349	.3230
24	.133	.2250	.2250	.2167	.3223	.5941	.2052
25	.139	.2540	.2540	.2458	.3867	.7127	.2462
26	.144	.3004	.3004	.2921	.4882	.8999	.3109
27	.150	.2366	.2366	.2284	.4044	.7457	.2576
28	.156	.1352	.1352	.1270	.2033	.3782	.1308
29	.161	.0514	.0514	.0432	.0873	.1610	.0556
30	.167	.0780	.0780	.0697	.1514	.2790	.0964
31	.172	.0965	.0965	.0883	.2059	.3795	.1311
32	.178	.0605	.0605	.0523	.1319	.2424	.0838
33	.183	.0379	.0379	.0297	.0806	.1485	.0513
34	.189	.0518	.0518	.0436	.1284	.2367	.0818
35	.194	.0472	.0472	.0389	.1247	.2298	.0794
36	.200	.0280	.0280	.0197	.0689	.1269	.0438
37	.206	.0229	.0229	.0147	.0559	.1030	.0356
38	.211	.0217	.0217	.0135	.0561	.1034	.0357
39	.217	.0191	.0191	.0109	.0498	.0918	.0317
40	.222	.0223	.0223	.0141	.0711	.1310	.0452
41	.228	.0213	.0200	.0117	.0652	.1202	.0415
42	.233	.0137	.0149	.0067	.0411	.0758	.0262
43	.239	.0092	.0109	.0027	.0185	.0340	.0118
44	.244	.0116	.0117	.0035	.0262	.0483	.0167
45	.250	.0152	.0144	.0062	.0522	.0962	.0332
46	.256	.0156	.0157	.0074	.0702	.1294	.0447
47	.261	.0167	.0163	.0081	.0854	.1574	.0544
48	.267	.0170	.0163	.0080	.0955	.1760	.0608
49	.272	.0144	.0144	.0062	.0830	.1529	.0528
50	.278	.0119	.0119	.0037	.0558	.1029	.0355
51	.283	.0105	.0106	.0023	.0400	.0738	.0255
52	.289	.0101	.0099	.0017	.0321	.0592	.0205
53	.294	.0086	.0089	.0006	.0139	.0257	.0089
54	.300	.0079	.0081	.0000	.0000	.0000	.0000
55	.306	.0082	.0082	.0000	.0000	.0000	.0000
56	.311	.0088	.0085	.0003	.0091	.0168	.0058
57	.317	.0091	.0087	.0005	.0181	.0333	.0115
58	.322	.0087	.0082	.0000	.0000	.0000	.0000
59	.328	.0059	.0063	.0000	.0000	.0000	.0000
60	.333	.0040	.0049	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59	AV. T= 6.7	RECORD =	GL 59
HOUR = 0	SIG.HGT. = 10.1	UPPER HGT. =	20.0
TOTAL DF =136	CORR. VAR. = 20.5	LOWER HGT. =	16.6
	NOISE LEVEL = .0077	WIND SPEED =	30

N	FREQ.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0871	.0871	.0736	.0746	.1464	.0506
1	.006	.1067	.1067	.0485	.0985	.1916	.0627
2	.011	.1222	.1222	.1145	.1145	.2110	.0729
3	.017	.0988	.0988	.0511	.0511	.1674	.0560
4	.022	.0665	.0665	.0508	.0508	.1084	.0175
5	.028	.0538	.0538	.0461	.0461	.0849	.0243
6	.033	.0384	.0384	.0307	.0404	.0492	.0168
7	.039	.0333	.0333	.0256	.0360	.0626	.0216
8	.044	.0488	.0488	.0411	.0411	.0901	.0311
9	.050	.1687	.1687	.1610	.1787	.3213	.1118
10	.056	.4356	.4356	.4277	.4547	.8160	.2045
11	.061	.5371	.5371	.5246	.5445	1.0124	.3447
12	.067	.6630	.6630	.6551	.6721	1.2188	.4266
13	.072	1.2065	1.2065	1.1128	1.2230	2.2556	.7742
14	.078	2.0085	2.0085	2.0008	2.0708	3.6168	1.3188
15	.083	2.6926	2.6926	2.6849	2.8229	5.2010	1.7976
16	.089	2.7100	2.7100	2.7023	2.8133	5.2960	1.8746
17	.094	1.4474	1.4474	1.4147	1.1903	1.6444	1.3628
18	.100	.9696	.9696	.9617	1.0720	1.9754	.6606
19	.106	.5116	.5116	.5039	.5348	1.0461	.3787
20	.111	.5108	.5108	.5031	.6179	1.1108	.3356
21	.117	.4190	.4190	.4113	.5279	.9711	.3367
22	.122	.2886	.2886	.2809	.3771	.6953	.2461
23	.128	.2585	.2585	.2508	.3517	.6520	.2257
24	.133	.3372	.3372	.3245	.4901	.9032	.3120
25	.139	.3169	.3169	.3092	.4486	.8266	.3017
26	.144	.1697	.1697	.1620	.2701	.4982	.1741
27	.150	.0909	.0909	.0832	.1475	.2718	.0939
28	.156	.0814	.0814	.0737	.1396	.2572	.0888
29	.161	.0664	.0664	.0587	.1227	.2262	.0781
30	.167	.0641	.0641	.0564	.1221	.2255	.0779
31	.172	.0555	.0555	.0478	.1114	.2056	.0709
32	.178	.0361	.0361	.0284	.0715	.1316	.0456
33	.183	.0256	.0256	.0178	.0485	.0894	.0309
34	.189	.0278	.0278	.0206	.0591	.1084	.0376
35	.194	.0319	.0319	.0242	.0775	.1428	.0491
36	.200	.0243	.0243	.0216	.0756	.1390	.0480
37	.206	.0199	.0199	.0122	.0466	.0858	.0297
38	.211	.0120	.0120	.0043	.0176	.0316	.0116
39	.217	.0148	.0148	.0071	.0326	.0546	.0207
40	.222	.0163	.0163	.0086	.0432	.0797	.0275
41	.228	.0140	.0144	.0067	.0386	.0758	.0265
42	.233	.0144	.0142	.0065	.0402	.0761	.0256
43	.239	.0143	.0142	.0065	.0441	.0812	.0282
44	.244	.0135	.0139	.0062	.0472	.0868	.0300
45	.250	.0150	.0141	.0064	.0554	.1020	.0356
46	.256	.0138	.0138	.0061	.0516	.1365	.0368
47	.261	.0117	.0128	.0051	.0510	.0942	.0341
48	.267	.0156	.0141	.0061	.0756	.1393	.0480
49	.272	.0154	.0146	.0069	.0927	.1704	.0590
50	.278	.0112	.0117	.0040	.0605	.1116	.0385
51	.283	.0080	.0085	.0008	.0133	.0245	.0084
52	.289	.0066	.0068	.0000	.0000	.0000	.0000
53	.294	.0054	.0060	.0000	.0000	.0000	.0000
54	.300	.0052	.0056	.0000	.0000	.0000	.0000
55	.306	.0044	.0051	.0000	.0000	.0000	.0000
56	.311	.0061	.0067	.0000	.0000	.0000	.0000
57	.317	.0086	.0081	.0036	.0236	.0435	.0150
58	.322	.0114	.0101	.0024	.0720	.1945	.0655
59	.328	.0108	.0104	.0027	[illegible]	.2665	.0111
60	.333	.0096	.0102	.0025	.1413	.2647	.0911



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59	AV. T= 6.1	RECORD =	GL 60
HOUR = 0	SIG.HGT. = 17.6	UPPER HGT. =	19.3
TOTAL DF =136	AV. VAR. = [illegible]	LOWER HGT. =	16.1
	NOISE LEVEL = .0075	WIND SPEED =	35

N	FREQ.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0566	.0566	.0511	.0511	.0942	.0325
1	.006	.0844	.0844	.0769	.0769	.1418	.0490
2	.011	.1171	.1171	.1095	.1095	.2011	.0697
3	.017	.1429	.1429	.1354	.1354	.2496	.0862
4	.022	.1298	.1298	.1224	.1224	.2256	.0779
5	.028	.0756	.0756	.0681	.0681	.1255	.0434
6	.033	.0517	.0517	.0442	.0720	.1342	.0466
7	.039	.0419	.0419	.0344	.0457	.0842	.0291
8	.044	.0341	.0341	.0266	.0314	.0580	.0203
9	.050	.0888	.0888	.0814	.0925	.1666	.0575
10	.056	.2250	.2250	.2176	.2311	.4260	.1472
11	.061	.6647	.6647	.6614	.7056	1.2268	.4218
12	.067	1.4681	1.4681	1.4756	1.5113	2.7893	.9636
13	.072	2.2524	2.2524	2.1441	2.2006	4.0561	1.4012
14	.078	2.1135	2.1135	2.1059	2.1707	4.0116	1.3870
15	.083	1.6726	1.6726	1.6650	1.7716	3.2654	1.1281
16	.089	1.3265	1.3265	1.3140	1.4025	2.5860	.8930
17	.094	1.1845	1.1845	1.1770	1.2987	2.3937	.8269
18	.100	1.2590	1.2590	1.0522	1.1979	2.2078	.7627
19	.106	.7681	.7681	.7635	.8978	1.6560	.5717
20	.111	.6586	.6586	.6511	.7995	1.4736	.5091
21	.117	.5131	.5131	.5256	.6480	1.1943	.4126
22	.122	.2996	.2996	.2919	.4019	.7223	.2495
23	.128	.3157	.3157	.3082	.4347	.8011	.2768
24	.133	.2756	.2756	.2479	.3978	.7331	.2533
25	.139	.1855	.1855	.1774	.2799	.5159	.1782
26	.144	.1838	.1838	.1761	.2882	.5321	.1875
27	.150	.1446	.1446	.1370	.2430	.4471	.1567
28	.156	.0866	.0866	.0795	.1599	.2763	.0955
29	.161	.0657	.0657	.0582	.1177	.2168	.0749
30	.167	.0517	.0517	.0441	.0956	.1766	.0610
31	.172	.0526	.0526	.0450	.1050	.1935	.0669
32	.178	.0554	.0559	.0483	.1217	.2242	.0775
33	.183	.0462	.0462	.0187	.1052	.1934	.0670
34	.189	.0185	.0185	.0110	.0313	.1681	.0581
35	.194	.0119	.0134	.0264	.0866	.1558	.0538
36	.200	.0101	.0101	.0226	.0787	.1451	.0501
37	.206	.0325	.0325	.0250	.0952	.1755	.0606
38	.211	.0339	.0339	.0264	.1101	.2030	.0701
39	.217	.0235	.0235	.0160	.0732	.1349	.0466
40	.222	.0142	.0142	.0066	.0335	.0618	.0213
41	.228	.0079	.0107	.0032	.0176	.0324	.0112
42	.233	.0081	.0087	.0012	.0073	.0134	.0046
43	.239	.0089	.0088	.0013	.0087	.0161	.0055
44	.244	.0092	.0093	.0018	.0134	.0246	.0085
45	.250	.0098	.0099	.0023	.0197	.0364	.0126
46	.256	.0104	.0106	.0031	.0290	.0534	.0184
47	.261	.0110	.0107	.0031	.0331	.0611	.0212
48	.267	.0095	.0098	.0022	.0264	.0487	.0168
49	.272	.0089	.0091	.0019	.0201	.0374	.0129
50	.278	.0092	.0090	.0014	.0215	.0396	.0137
51	.283	.0079	.0086	.0011	.0180	.0331	.0114
52	.289	.0092	.0094	.0014	.0367	.0667	.0230
53	.294	.0127	.0113	.0037	.0821	.1516	.0524
54	.300	.0106	.0105	.0030	.0752	.1385	.0478
55	.306	.0074	.0082	.0006	.0179	.0324	.0114
56	.311	.0076	.0077	.0000	.0000	.0000	.0000
57	.317	.0061	.0061	.0000	.0000	.0000	.0000
58	.322	.0034	.0046	.0000	.0000	.0000	.0000
59	.328	.0046	.0045	.0000	.0000	.0000	.0000
60	.333	.0034	.0050	.0000	.0000	.0000	.0000